

FUJITSU

Halcyon 



MINI-SPLIT HEATING AND COOLING SYSTEMS
FOR RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS



QUIETLY REVOLUTIONIZING ENERGY-EFFICIENT HOME COMFORT.

TABLE OF CONTENTS

FEATURES

Mini-Splits Defined	4
Individual Zoning	6
Comfort Solution	8
Energy Efficient	9
Comfort & Convenience	10
Applications	11
FGLair® App	12
WiFi Selection Guide	13
XLTH Story	14
Feature Explanation	15
System Feature Summary Table	16

MODEL LINEUP

Indoor and Outdoor Model Table	18
--------------------------------------	----

SINGLE-ZONE MINI-SPLITS

Wall Mount	20
Floor Mount	32
Compact Cassette	34
Slim Duct	36
Universal Floor/Ceiling	38
Ceiling Suspended	38
Large Cassette	40

MULTI-ZONE MINI-SPLITS

Overview	42
Indoor Units	
Wall Mount	46
Slim Duct	48
Compact Cassette	50
Floor Mount	52
Outdoor Units	
Multi-Zone (2-4 Zones)	54
XLTH Multi-Zone (2-3 Zones)	56
Flex-Zone (2-8 Zones)	58
Branch Boxes	60
Piping	61
Allowable Combinations	64

ACCESSORIES

Descriptions	67
Compatibility Chart	69

MISCELLANEOUS

Line Set Length Chart	70
Model Nomenclature	70



FUJITSU MINI-SPLITS: YEAR-ROUND, WHOLE-HOME OR BUSINESS ENERGY EFFICIENT HEATING AND COOLING

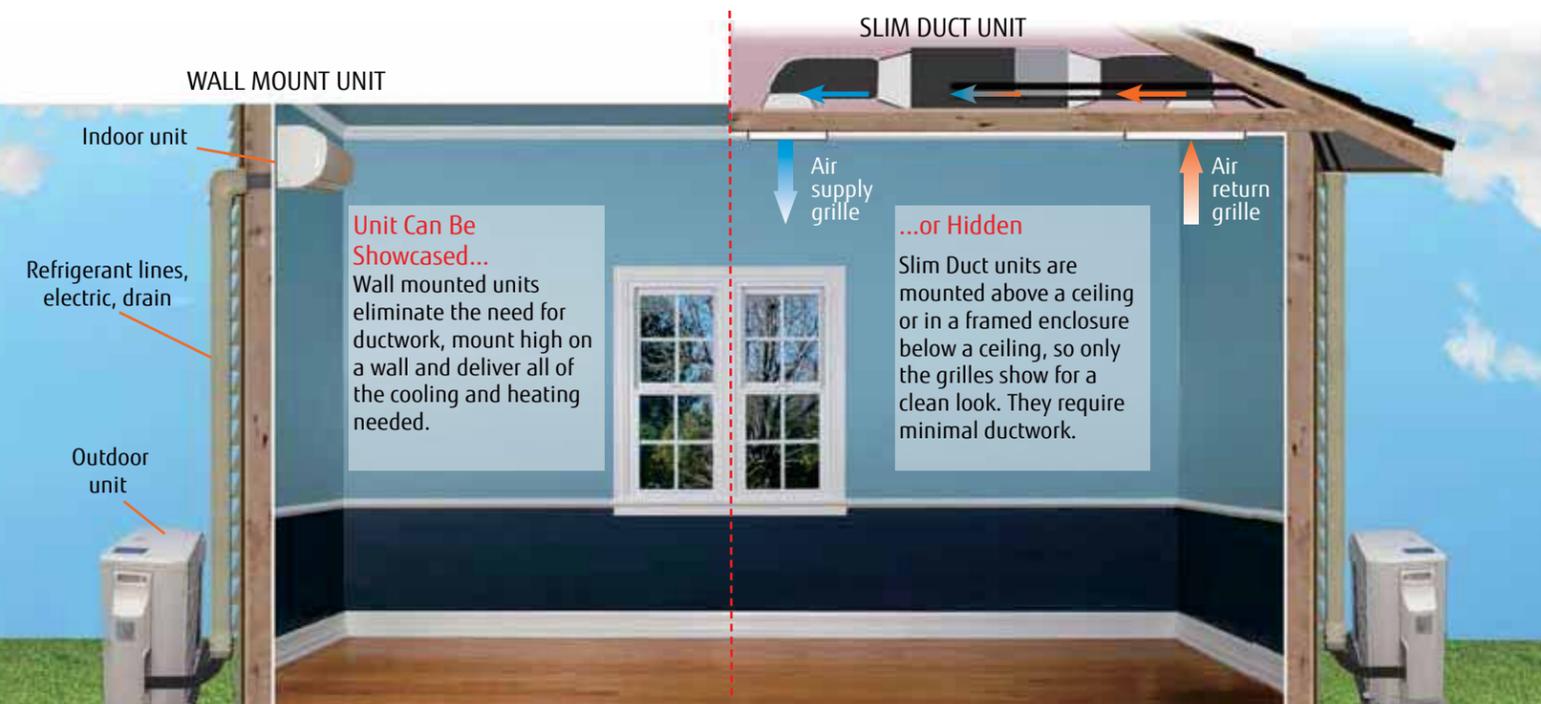
WHAT IS A MINI-SPLIT?

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.

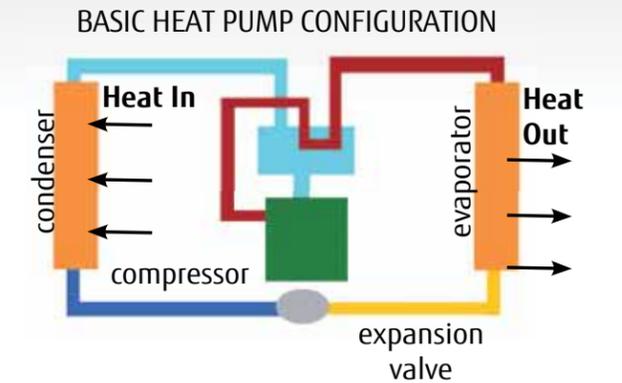
HOW DOES A MINI-SPLIT WORK?

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".



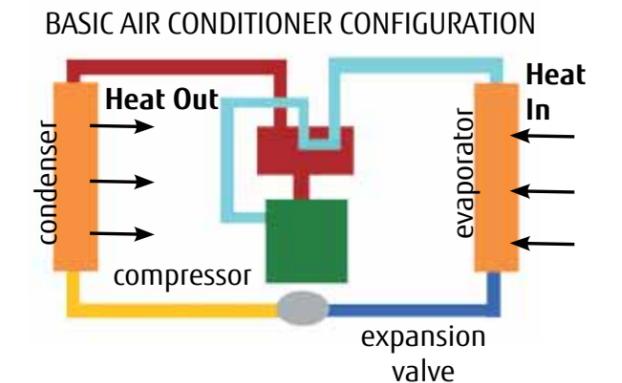
HEAT PUMPS PROVIDE HEAT WHEN IT IS COLD

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. We use efficient compressors to pump refrigerant via small 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 as baseboard heat!

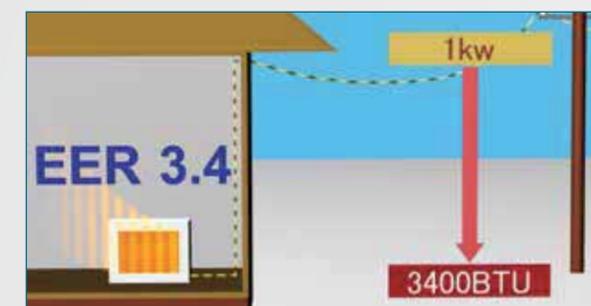


AIR CONDITIONERS PROVIDE COOLING WHEN IT'S WARM

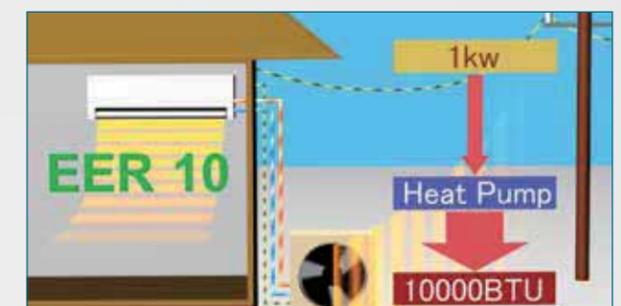
Come spring and summer, simply reverse the process and put the same system into "cooling mode" and transfer heat from indoors to the outside. For many climates, the advanced technology that goes into these units creates a far more cost effective alternative to either gas or oil-fired units for heat, 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 almost 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.



- **HFI** - This symbol denotes indoor units that can be used in single OR multi-zone applications
- 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



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

WALL MOUNTED

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

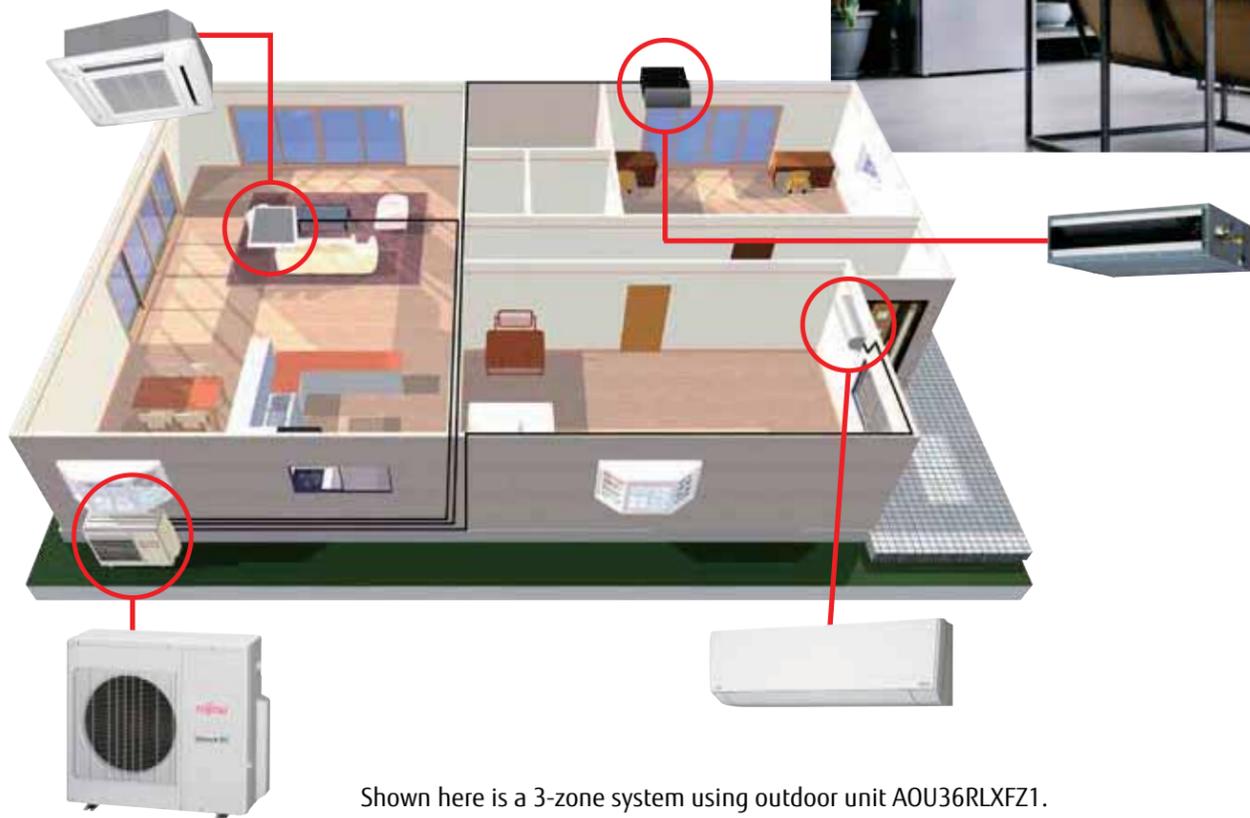
- Quiet operation
- Easy maintenance
- High delivered efficiency means lower utility bills



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 and help those cold feet.
- Designer wireless remote control



Shown here is a 3-zone system using outdoor unit AOU36RLXFZ1.



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.

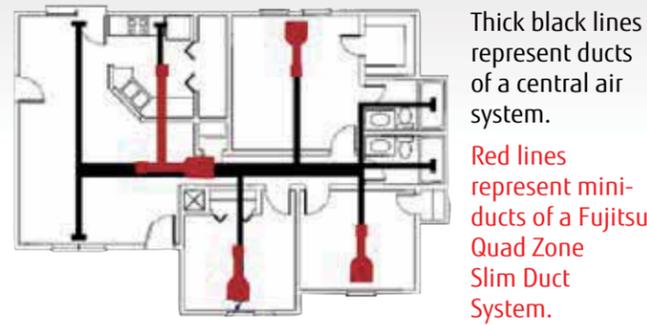
- Wired remote control (wireless is optional)
- Powerful turbo fan operation
- Fits into a standard 2' x 2' ceiling grid

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



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.



OTHER APPLICATIONS

The 30RLXEH is specially engineered for spaces such as server rooms which require constant cool temperatures year round, and rooms that hold a large number of people (meeting spaces, classrooms, conference rooms).



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 25%. If your average annual utilities are \$4,200, Fujitsu can save you up to \$1,050 annually or \$10,500 in 10 yrs!*

*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

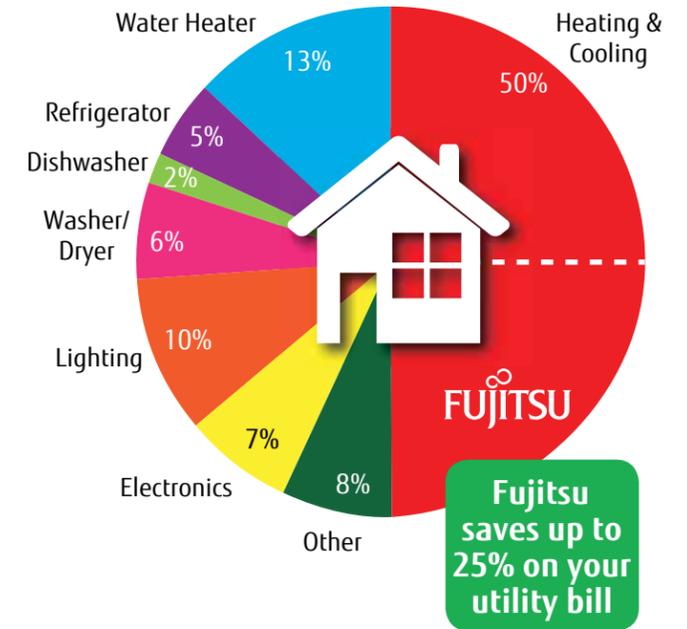
To encourage customers to buy energy efficient products, many local utility companies offer significant rebates for the purchase of a ductless mini-split system. Go to Fujitsu's web site to search for local rebates and consumer loans. We provide a listing of rebates and offerings on qualifying Fujitsu 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% on heating and cooling costs.

Fujitsu has 30 systems that are ENERGY STAR qualified in 2018. See the lineup chart on pages 18-19 for a full listing of all ENERGY STAR® qualified systems.

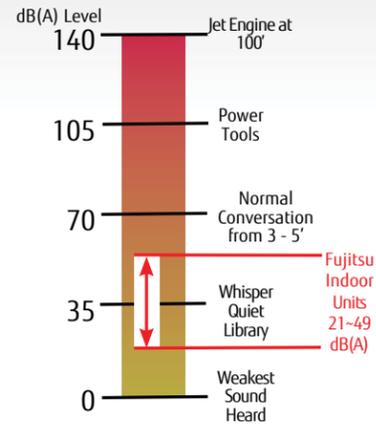
-  SEER..... ≥ 15.0
- EER..... ≥ 12.5
- HSPF..... ≥ 8.5



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 floor-standing. Ductless heat pumps allow for a peaceful inside environment by enabling the contractor to install components like compressors and motors outdoors.

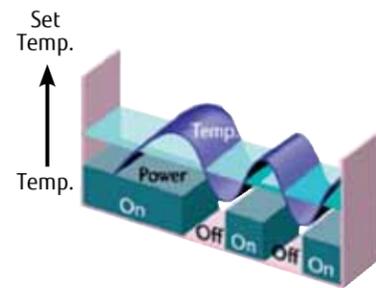


CONSTANT COMFORT THROUGH INVERTER TECHNOLOGY

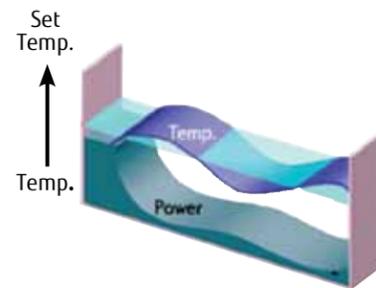
Inverter technology is like cruise control for your heating or cooling system. Compressors only run as fast as they need to handle the cooling or heating demand. They can handle greater extremes in temperature, are smoother and more stable in operation, and reach the desired temperature more quickly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



Conventional 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.



Optional Wired Remote
UTY-RVNUM

Standard Wireless Remote for select systems

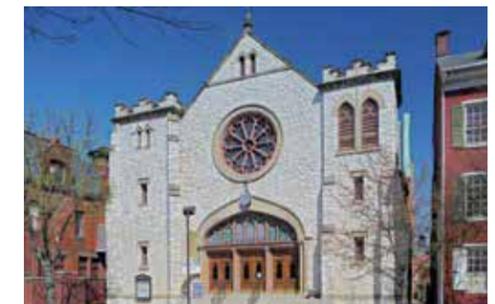


APPLICATIONS



WHERE CAN MINI-SPLITS BE USED?

- Convenience stores
- Fast food chains
- Fire houses
- Police stations
- 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
- ATM vestibules
- Server rooms



JUST ABOUT ANY PLACE THAT REQUIRES COMFORT!

FGLair® APP

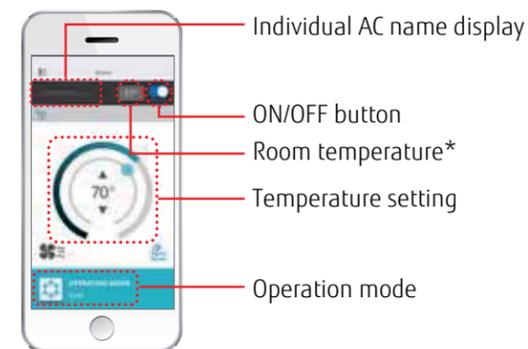
Control your home's climate anytime, anywhere!

Access control functions remotely from any smartphone or tablet.



USER FRIENDLY INTERFACE

User friendly screen display facilitates easy operation.



*Only applies to RLS3Y units. Feature not available with Wi-Fi module (UTY-TFNXZ2).

Control up to 24 systems using a single free account.

MAIN FUNCTIONS

- ON / OFF
- Operation mode
- Fan speed
- Louver position
- Set temperature control
- Weekly timer
- Minimum heat
- ESP function
- Error display
- Email notification



FGLair® is worldwide trademark of FUJITSU GENERAL LIMITED.

FUJITSU HALCYON WIFI SELECTION GUIDE

WIFI CONNECTABLE UNITS & MODULES			
FGLair®		IntesisHome®	
RLS3Y & RLS3YH (Built In)	WIFI Interface Module	IR Wireless Module	Wired Module
ASU 9/12/15 RLS3Y	UTY-TFNXZ2 (Add-on)	FJ-IR-WIFI-1NA (Add-on)	FJ-RC-WIFI-1NA (Add-on)

WHICH APP DOES IT USE?	
FGLair®	IntesisHome®
FGLAIR® APP FEATURES: <ul style="list-style-type: none"> • On/Off • Change Mode • Change Temp Setpoint • Fan Speed • Louver/Swing Position • Weekly Timer • Economy Setting • Emailed Error Alerts 	INTESISHOME® APP FEATURES: <ul style="list-style-type: none"> • On/Off • Change Mode • Change Temp Setpoint • Fan Speed • Louver/Swing Position • Weekly Timer • Fully Programmable • Alarm Notifications
App available on iOS and Android.	App available on iOS and Android. Can also be run through a web browser.

WHERE DOES IT MOUNT?			
Built into the RLS3Y	On the wall next to IDU	Up to 20' away from IDU	On the wall next to IDU

COMPATIBLE UNITS:			
WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:
ASU9RLS3Y	ASU 7 / 9 / 12RLF ¹	ASU 7 / 9 / 12RLF	ASU 7 / 9 / 12RLF ^{6,7}
ASU12RLS3Y	ASU 7 / 9 / 12 / 15RLF1 ²	ASU 7 / 9 / 12 / 15RLF1	ASU 7 / 9 / 12 / 15RLF1 ^{6,7}
ASU15RLS3Y	ASU 9 / 12 / 15RLS2 ³	ASU 9 / 12 / 15RLS2	ASU 9 / 12 / 15RLS2 ^{6,8}
	ASU 9 / 12 / 15RLS3 ³	ASU 9 / 12 / 15RLS3	ASU 9 / 12 / 15RLS3 ^{6,8}
	ASU 18 / 24RLF	ASU 18 / 24RLF	ASU 18 / 24RLF
	ASU 30 / 36CLX1	ASU 30 / 36CLX1	ASU 30 / 36CLX1
	ASU30RLX	ASU30RLX	ASU30RLX
	ASU 18 / 24RLB	ASU 18 / 24RLB	ASU 18 / 24RLB
	ASU 30 / 36RLXB	ASU 30 / 36RLXB	ASU 30 / 36RLXB
	ASU30RLE	ASU 9/12RL2	ASU 18CL / 24CL1
		ASU 18CL / 24CL1	
CASSETTES:	CASSETTES:	CASSETTES:	CASSETTES:
AUU 7 / 9 / 12 / 18RLF	AUU 7 / 9 / 12 / 18RLF	AUU 7 / 9 / 12 / 18RLF	AUU 18 / 24 / 36 / 42RCLX
DUCTED:	DUCTED:	DUCTED:	DUCTED:
ARU 7 / 9 / 12 / 18 / 24RLF	ARU 7 / 9 / 12 / 18 / 24RLF ⁴	ARU 7 / 9 / 12 / 18 / 24RLF	
FLOOR MOUNTS:	FLOOR MOUNTS:	FLOOR MOUNTS:	FLOOR MOUNTS:
AGU 9 / 12 / 15RLF	AGU 9 / 12 / 15RLF	AGU 9 / 12 / 15RLF ⁶	
	UNIVERSAL / CEILING:	UNIVERSAL / CEILING:	UNIVERSAL / CEILING:
	ABU 18 / 24RULX	ABU 18 / 24RULX	
	ABU36RSLX	ABU36RSLX	

UTY-TFNXZ2 cannot be installed in conjunction with Wired Remote Controls.

¹ requires UTY-XCBXZ1
² requires UTY-XCBXZ2
³ requires UTY-TWBXF1
⁴ requires UTY-LRHUM
⁶ requires UTY-WIFI
⁷ requires UTY-XCBXZ2
⁸ requires UTY-TWBXF1

EXTRA LOW TEMPERATURE HEATING - XLTH

NOT ALL HEATING SYSTEMS ARE CREATED EQUAL
Without the right technology, a system won't work when its needed most.

PROTECTION FROM WINTERS' COLDEST TEMPERATURES

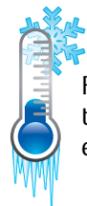
When the temperature drops you don't want to be left in the cold. It's important to choose a heat pump system rated for the climate you live in. If your system doesn't operate in severe conditions you and your family could be left without any heat at all.

Fujitsu's line of mini-split heat pumps come in different sizes, styles, and rated outdoor temperatures. The Extra Low Temperature Heating (**XLTH**) Series features outdoor condensing units engineered to operate in temperatures down to -15°F.



HIGH PERFORMANCE HEATING

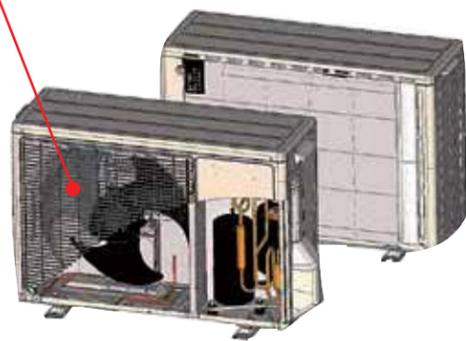
Fujitsu XLTH units feature large heat exchangers and high capacity compressors. This gives our XLTH heat pumps the ability to extract heat even at very low outdoor temperatures. For example, at an indoor setpoint of 70°F, all RLS3YH and RLFFH models can deliver 100% or more of their rated heating capacity down to 3°F. All XLTH models also offer superior heating performance down to -15°F outdoor temperatures.



Fujitsu XLTH systems do not have a low temperature lockout, continuing to heat even below -15°F as conditions allow.

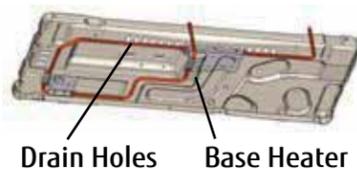
METAL FAN GUARD

While other models have a plastic fan guard, XLTH models use metal, which is most capable of withstanding the colder elements.



BASE PAN HEATER

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



FEATURE EXPLANATION

ENERGY SAVING

- SEER**
Seasonal Energy Efficiency Rating. Used to express efficiency of an AC or Heat Pump. A higher rating means more efficient.
- HSPF**
Heating Seasonal Performance Factor, measures the efficiency of heating portion of your heat pump.
- Economy Mode**
Thermostat setting automatically changes according to the temperature to avoid unnecessary cooling and heating.
- Energy Saver**
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.
- 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.
- Minimum Heat Mode**
Sets room temperature to 50°F, keeping temperatures above freezing and reducing power consumption.

COMFORT

- 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.
- Auto Fan Mode**
System starts in high fan speed and automatically adjusts downward as room begins to reach set temperature.
- Auto Louver: 4 Way**
Redirects airflow automatically with up/down and left/right motion.
- Auto Louver: Up/Down**
Redirects airflow automatically with seven position up and down motion which can be set to auto swing.
- Auto Restart**
Following a power failure, systems will automatically restart in the same operating mode as before, once power has been restored.
- Dry Mode**
This mode gives priority to reducing the level of humidity in the room, in conjunction with lowering the temperature.
- Fresh Air Intake**
Outside air can be introduced by attaching field supplied flexible duct to fresh air knockouts.
- Outdoor Unit Low Noise+**
Limits compressor and fan speed during high speed operation for noise reduction purposes.
- Powerful Operation**
20 minutes of continuous operation at maximum airflow and maximum compressor speed. Rapid cooling and heating makes the room comfortable quickly.
- Quiet Mode (Indoor Unit)**
An extra quiet fan speed to make sure you are not disturbed.

* 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.
* 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. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.

CONVENIENCE

- 24 Hour Timer**
Allows for one on/off cycle during a 24 hour period.
- Sleep Timer**
Automatically adjusts the temperature while you sleep to make you more comfortable.
- Weekly Timer**
Allows you to set on/off time twice a day and a different on/off time by day.

PERFORMANCE

- Apple Gatechin Filter (polyphenol ingredient from apples)**
Dust, mold spores and microorganisms are absorbed onto the filter by static electricity and growth is inhibited. 3 - 12 month life expectancy.
- Cold Prevention**
Indoor coil will warm prior to fan operating, preventing cold air during heating mode.
- Expanded Heating Performance**
Delivers 100% of rated heating capacity at +5°F (-15°C).
- 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.
- Ion Deodorizing Filter**
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.
- 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 circuit.
- Remote Temperature Sensor**
Room temperature sensor is located in optional wired remote control only.
- Third Party Device Control**
Turns system on or off using a normally closed circuit. Interface with third party devices such as home automation.
- 0°F Low Ambient Cooling**
Can operate in cooling mode with outdoor temperatures as low as 0°F. Operation outside of factory specification is not recommended.
- 5°F Low Ambient Cooling**
Can operate in cooling mode with outdoor temperatures down to -5°F. Operation outside of factory specification is not recommended.

INSTALLATION

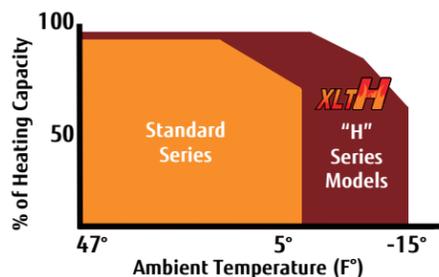
- Base Pan Heater**
Prevents condensate from freezing on the outdoor unit.
- Blue Fin Heat Exchanger**
Blue fin treatment to the outdoor unit's heat exchanger improves corrosion resistance.
- Branch Duct Capable**
Systems are capable of attaching field-supplied branch ducts providing up to 38% of the cooling up to 16 feet away.
- Built-In Condensate Pump**
Integrated into the indoor unit.
- Daisy Chain**
Ability to connect up to 16 identical style indoor units to one wired remote.
- 164+ ft Piping**
Long piping lengths between indoor and outdoor units provides flexibility and increased applications.
- Slender Fit**
Cassette body can be moved downward into the room 1-3/8" to accommodate limited ceiling space.
- 6/2 Warranty**
Fujitsu systems come standard with either a 6 Year Compressor / 2 Year Parts warranty or a 7 Year Compressor / 5 Year Parts warranty.
- 10 YEAR / 12 YEAR Extended Warranty**
Additional info on page 71. See full product warranty for details.



Without the right technology, condensate freezes to the bottom of the unit and reduces its efficiency and heating output.

IMPROVED HEATING CAPACITY

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



SINGLE-ZONE AND MULTI-ZONE SYSTEMS LINEUP

Minimum Ambient Cooling Temperature: ■ Minimum Ambient Heating Temperature: ■

SINGLE ZONE DUCTLESS HEAT PUMP SYSTEMS																
BTU	9,000		12,000		15,000		18,000		24,000		30,000		36,000		42,000	
Wall Mount Highest SEER	14°F / -5°F		14°F / -5°F		14°F / -5°F											
Wall Mount Highest SEER plus XLTH	14°F / -15°F		14°F / -15°F		14°F / -15°F		-5°F / -15°F		-5°F / -15°F		-5°F / -15°F					
Wall Mount High SEER	14°F / 5°F		14°F / 5°F				-5°F / -5°F		-5°F / -5°F							
Wall Mount Entry Level	15°F / 15°F		15°F / 15°F				14°F / 5°F		14°F / 5°F		14°F / 5°F		14°F / 5°F			
Floor Mount Highest SEER	14°F / -5°F		14°F / -5°F		14°F / -5°F											
Floor Mount Highest SEER plus XLTH	14°F / -15°F		14°F / -15°F		14°F / -15°F											
Compact Cassette	14°F / -5°F		14°F / -5°F				14°F / -5°F									
Slim Duct Horizontal/Vertical	14°F / -5°F		14°F / -5°F				14°F / -5°F									
Universal Mount Floor/Ceiling							0°F / 14°F		0°F / 14°F							
Ceiling Suspended											0°F / 14°F					
Large Cassette							0°F / 14°F		0°F / 14°F		0°F / 14°F		0°F / 0°F			

MULTI ZONE DUCTLESS HEAT PUMPS - INDOOR UNITS						
BTU	7,000	9,000	12,000	15,000	18,000	24,000
Compact Wall Mount	ASU7RLF1	ASU9RLF1	ASU12RLF1	ASU15RLF1		
Large Wall Mount					ASU18RLF	ASU24RLF
Slim Duct	ARU7RLF	ARU9RLF	ARU12RLF		ARU18RLF	ARU24RLF
Compact Cassette	AAU7RLF	AAU9RLF	AAU12RLF		AAU18RLF	
Floor Mount		AGU9RLF	AGU12RLF	AGU15RLF		

MULTI ZONE DUCTLESS HEAT PUMPS- OUTDOOR UNITS					
BTU	18,000 (2 Indoor Units)	24,000 (2 - 3 Indoor Units)	36,000 (2* - 4 Indoor Units)	45,000 (2 - 5 Indoor Units)	48,000 (2 - 8 Indoor Units)
	14°F / 5°F	14°F / 5°F	14°F / 5°F	14°F / 5°F	23°F / 5°F
XLTH	14°F / -15°F	14°F / -15°F	14°F / -15°F		

* 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
 AOU24RLXFZ with (2) ASU7RLF1 + (1) ASU9RLF1
 AOU24RLXFZH with (2) ASU7RLF1 + (1) ASU9RLF1

AOU36RLXFZH with (4) ASU9RLF1

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
- 38 different systems available in 7 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 21dB and outdoor units as low as 47dB

9, 12, 15,000 BTU/h WALL MOUNT HEAT PUMPS



- 1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
- 2 Available only with optional wired Remote Control and optional interface kit.
- 3 Available only with optional interface kit. Operation monitoring and On/Off control only.
- 4 XLTH models only

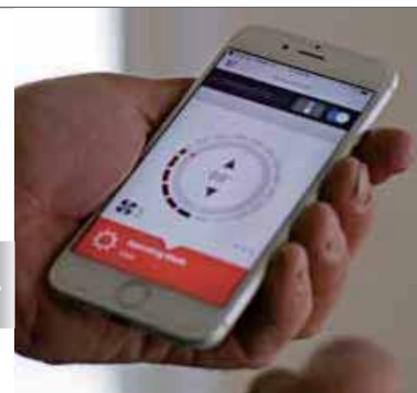
ENERGY SAVING PROGRAM

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, 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.



BUILT-IN WI-FI

Remotely operate your heating and cooling system using a smartphone as a remote control. Details on page 12.



OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RVNUM
- Wired Remote Control: UTY-RNNUM
- Simple Remote Control: UTY-RSNUM
- Interface Kit: UTY-TWBXF1
- Dry Contact Wire Kit: UTY-XWZXZ5

SYSTEMS 9RLS3Y, 12RLS3Y, 15RLS3Y HIGH HEAT SYSTEMS 9RLS3YH, 12RLS3YH, 15RLS3YH

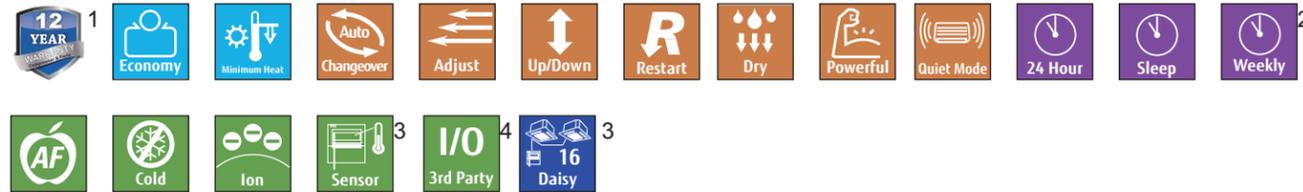
UP TO 33.0 SEER



Performance		9RLS3Y	12RLS3Y	15RLS3Y	9RLS3YH	12RLS3YH	15RLS3YH
Nominal Cooling	BTUh	9,000	12,000	14,500	9,000	12,000	14,500
Min.-Max. Cooling	BTUh	3,100~12,000	3,100~13,600	3,100~18,400	3,100~12,000	3,100~13,600	3,100~18,400
Nominal Heating	BTUh	12,000	16,000	18,000	12,000	16,000	18,000
Min.-Max. Heating	BTUh	3,100~22,000	3,100~22,100	3,100~23,900	3,100~22,000	3,100~22,100	3,100~23,900
SEER		33.0	29.3	25.3	33.0	29.3	25.3
HSPF		14.2	14.0	13.4	14.0	13.8	13.3
EER		18.0	15.2	13.9	18.0	15.2	13.9
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	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)	-15~75 (-26~24)	-15~75 (-26~24)	-15~75 (-26~24)
Moisture Removal	Pt./h (l/h)	2.6 (1.2)	2.7 (1.3)	4.0 (1.9)	2.6 (1.2)	2.7 (1.3)	4.0 (1.9)
Max Htg % of Model # Capacity at +5°F (-15°C)*		171%	138%	140%	171%	138%	140%
Max Htg % of Model # Capacity at -5°F (-21°C)*		156%	125%	124%	156%	125%	124%
Max Htg % of Model # Capacity at -15°F (-26°C)*		--	--	--	123%	98%	109%
Fan							
Air Circulation: Hi	CFM (m3/h)	489 (830)	489 (830)	547 (930)	489 (830)	489 (830)	547 (930)
Medium	CFM (m3/h)	400 (680)	400 (680)	459 (780)	400 (680)	400 (680)	459 (780)
Low	CFM (m3/h)	341 (580)	341 (580)	371 (630)	341 (580)	341 (580)	371 (630)
Quiet	CFM (m3/h)	224 (380)	224 (380)	Clg 259 (440) Htg 294 (500)	224 (380)	224 (380)	Clg 259 (440) Htg 294 (500)
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto	4+Auto	4+Auto
Sound							
Indoor Level (Clg/Htg): Hi	dB(A)	42/41	42/41	45/45	42/41	42/41	45/45
Medium	dB(A)	37/35	37/35	40/39	37/35	37/35	40/39
Low	dB(A)	32/31	32/31	34/33	32/31	32/31	34/33
Quiet	dB(A)	23/23	23/23	26/27	23/23	23/23	26/27
Outdoor Level Clg/Htg	dB(A)	42/47	43/47	49/50	42/47	43/47	49/50
Electrical							
Voltage/Frequency/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
Circuit Breaker	Amps	15	15	20	15	15	20
Current Rated/Max: Cooling	Amps	2.5/9.4	3.8/9.4	4.8/9.9	2.5/9.4	3.8/9.4	4.8/9.9
Current Rated/Max: Heating	Amps	3.3/10.0	4.7/11.9	5.2/13.9	3.3/10.0	4.7/11.9	5.2/13.9
Power Use Rated/Max: Cooling	kW	0.50/0.85	0.79/0.99	1.04/1.56	0.50/0.85	0.79/0.99	1.04/1.56
Power Use Rated/Max: Heating	kW	0.66/1.93	1.01/1.94	1.15/2.19	0.66/1.93	1.01/1.94	1.15/2.19
Size & Weight							
Net Weight	lbs. (kg)	31 (14) 84 (38)	31 (14) 84 (38)	31 (14) 86 (39)	31 (14) 86 (39)	31 (14) 86 (39)	31 (14) 88 (40)
Dimensions: Height	Inch	11-5/8 24-7/16	11-5/8 24-7/16	11-5/8 24-7/16	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	295 620	295 620	295 620
Width	Inch	37 31-1/8	37 31-1/8	37 31-1/8	37 31-1/8	37 31-1/8	37 31-1/8
	mm	940 790	940 790	940 790	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	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	270 290	270 290	270 290
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Additional Data							
Air Direction: Horizontal		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Vertical		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable	Washable	Washable
Minimum Lineset Length	Ft (m)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')
Max. Vertical Diff.	Ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)
Lineset Size	Inch	Suc.3/8 Dis.1/4	Suc.3/8 Dis.1/4	Suc.1/2 Dis.1/4	Suc.3/8 Dis.1/4	Suc.3/8 Dis.1/4	Suc.1/2 Dis.1/4
* Based on model # capacity class (e.g. 9RLS3Y based on 9,000 BTUh) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.							

Note: Figures are based on 230 Volts.

9 AND 12,000 BTU_h WALL MOUNT HEAT PUMPS

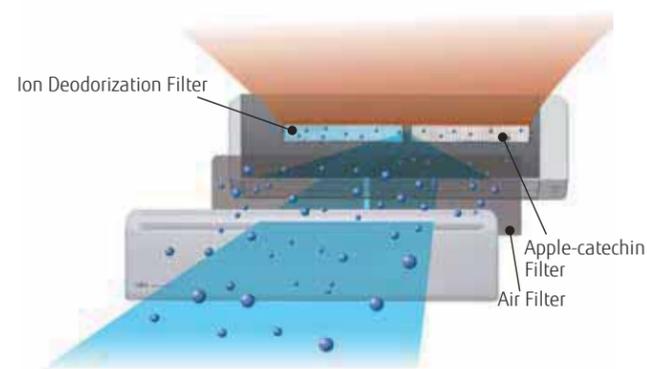


1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
 2 Available only with optional wired remote control.
 3 Available only with optional wired remote control and optional interface kit.
 4 Available only with optional interface kit. Operation monitoring and On/Off control only.

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-fine particle ceramic. The filter can be used for approximately 3 years if it is washed with water when dirty to restore its 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 Control: UTY-RVNUM*
- Wired Remote Control: UTY-RNNUM*
- Simple Remote Control: UTY-RSNUM*
- Dry Contact Wire Kit: UTY-XWZXZ5
- Interface Kit: UTY-XCBXZ2

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



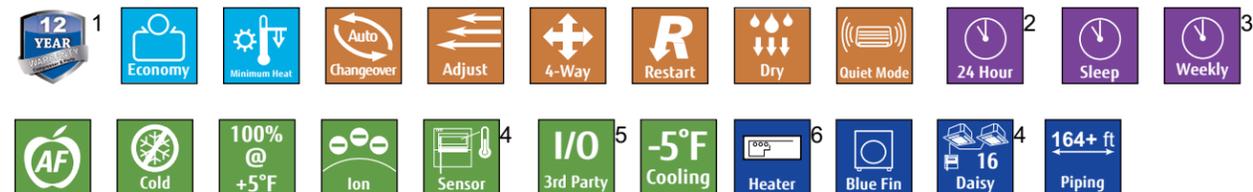
HFI SYSTEMS 9RLFW1, 12RLFW1

UP TO 23 SEER

		9RLFW1	12RLFW1		
		HFI	HFI		
Performance					
Nominal Cooling	BTU _h	9,000	12,000		
Min.-Max. Cooling	BTU _h	1,700~10,900	3,100~13,300		
Nominal Heating	BTU _h	12,000	16,000		
Min.-Max. Heating	BTU _h	1,700~15,000	3,100~19,100		
SEER		23.0	22.0		
HSPF		11.0	11.0		
EER		13.8	12.5		
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)		
Heating 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)		
Fan					
Air Circulation: Hi	CFM (m3/h)	441 (750)	441 (750)		
Medium	CFM (m3/h)	376 (640)	376 (640)		
Low	CFM (m3/h)	282 (480) Clg 306 (520) Htg	282 (480) Clg 306 (520) Htg		
Quiet	CFM (m3/h)	182 (310) Clg 194 (330) Htg	182 (310) Clg 194 (330) Htg		
Fan Speed Stage		4+Auto	4+Auto		
Sound					
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43	43/43		
Medium	dB(A)	40/38	40/38		
Low	dB(A)	32/33	32/33		
Quiet	dB(A)	21/22	21/22		
Outdoor Sound Level Clg/Htg	dB(A)	48/48	49/49		
Electrical					
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1		
Circuit Breaker	Amps	20	20		
Current Rated/Max: Cooling	Amps	3.2/6.0	4.4/6.5		
Current Rated: Heating	Amps	4.2/7.5	5.9/9.0		
Power Use Rated/Max: Cooling	kW	0.65/1.27	0.96/1.40		
Power Use Rated: Heating	kW	0.89/1.60	1.28/1.99		
Size & Weight					
Net Weight	lbs. (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
	mm	203	290	203	290
Refrigerant		R410A		R410A	
Additional Data					
Air Direction: Horizontal		Manual		Manual	
Vertical		Automatic		Automatic	
Air Filter		Washable		Washable	
Minimum Lineset Length	Ft (m)	10 (3)		10 (3)	
Maximum Lineset Length	Ft (m)	66 (20.1) (pre-charge: 49')		66 (20.1) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)	
Lineset Size	Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4
		Indoor ASU9RLF1	Outdoor AOU9RLF1	Indoor ASU12RLF1	Outdoor AOU12RLF1

Note: Figures are based on 230 Volts.

18 AND 24,000 BTU_h WALL MOUNT HEAT PUMPS

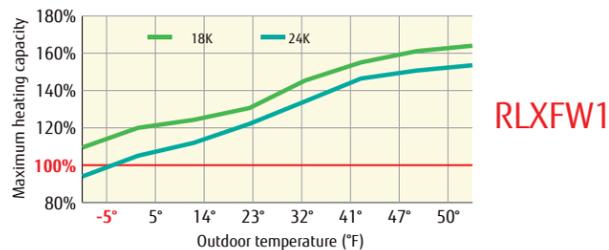


1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
 2 RLXFW1 systems only.
 3 RLXFW1 systems require optional wired remote control.
 4 Available only with optional wired remote control.
 5 Available only with optional Interface kit. Operation monitoring and On/Off control only.
 6 RLXFWH models only.

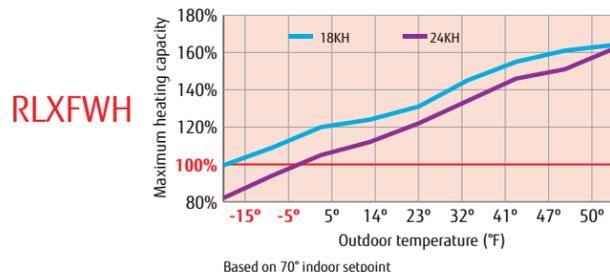
HIGH PERFORMANCE HEATING CAPACITY

Stay comfortable at low ambient temperatures! The RLXFW1 systems can deliver 100% or more of rated heating capacity at 5°F (-15°C) and operates down to -5°F (-21°C).

The RLXFWH model can operate down to -15°F. See the full **XLTH** story on page 14.



Based on 70° indoor setpoint



Based on 70° indoor setpoint

OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RVNUM
- Wired Remote Control: UTY-RNNUM
- Simple Remote Control: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWZX



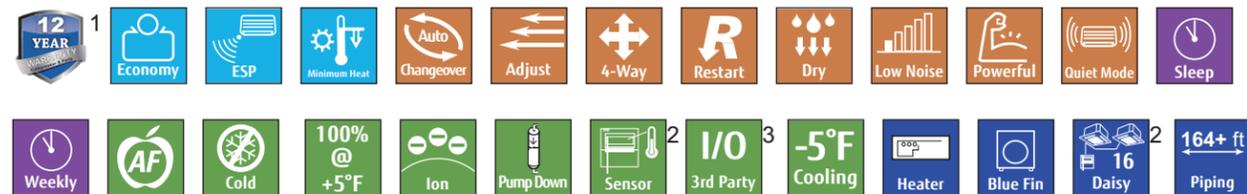
HFI SYSTEMS 18RLXFW1, 24RLXFW1 HIGH HEAT SYSTEMS 18RLXFWH, 24RLXFWH

UP TO 20 SEER

		18RLXFW1	24RLXFW1	18RLXFWH	24RLXFWH				
Performance		HFI	HFI	XLTH	XLTH				
Nominal Cooling	BTUh	18,000	22,000	18,000	22,000				
Min.-Max. Cooling	BTUh	7,000~23,000	9,900~27,300	7,000~23,000	9,900~27,300				
Nominal Heating	BTUh	21,600	25,200	21,600	25,200				
Min.-Max. Heating	BTUh	7,000~29,000	7,500~36,200	7,000~29,000	7,500~36,200				
SEER		20.0	19.5	20.0	19.5				
HSPF		10.5	10.6	10.4	10.5				
EER		13.3	12.5	13.3	12.5				
Cooling Operating Range	°F (°C)	-5~115 (-20~46)	-5~115 (-20~46)	-5~115 (-20~46)	-5~115 (-20~46)				
Heating Operating Range	°F (°C)	-5~75 (-20~24)	-5~75 (-20~24)	-15~75 (-26~24)	-15~75 (-26~24)				
Moisture Removal	Pt./h (l/h)	5.9 (2.8)	6.3 (3.0)	5.9 (2.8)	6.3 (3.0)				
Max Htg % of Model # Capacity at +5°F (-15°C)*		120%	105%	120%	105%				
Max Htg % of Model # Capacity at -5°F (-21°C)*		109%	94%	109%	94%				
Max Htg % of Model # Capacity at -15°F (-26°C)*		-	-	100%	82%				
Fan									
Air Circulation: Hi	CFM (m3/h)	541 (920)	Clg 659 (1,120) Htg 677 (1,150)	541 (920)	Clg 659 (1,120) Htg 677 (1,150)				
Medium	CFM (m3/h)	435 (740)	530 (900)	435 (740)	530 (900)				
Low	CFM (m3/h)	365 (620)	435 (740)	365 (620)	435 (740)				
Quiet	CFM (m3/h)	Clg 306 (520) Htg 318 (540)	365 (620)	Clg 306 (520) Htg 318 (540)	365 (620)				
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto				
Sound									
Indoor Level (Clg/Htg): Hi	dB(A)	43/44	49/49	43/44	49/49				
Medium	dB(A)	37/37	42/42	37/37	42/42				
Low	dB(A)	33/33	37/37	33/33	37/37				
Quiet	dB(A)	28/28	33/33	28/28	33/33				
Outdoor Level Clg/Htg	dB(A)	47/50	54/55	47/50	54/55				
Electrical									
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1				
Circuit Breaker	Amps	20	30	20	20				
Current Rated/Max: Cooling	Amps	6.2/13.5	7.9/15.0	6.2/13.5	7.9/15				
Current Rated/Max: Heating	Amps	7.8/14.5	8.6/15.5	7.8/14.5	8.6/15.5				
Power Use Rated/Max: Cooling	kW	1.35/3.01	1.76/3.42	1.35/3.01	1.76/3.42				
Power Use Rated/Max: Heating	kW	1.80/3.23	2.38/3.53	1.75/3.23	1.94/3.53				
Size & Weight									
Net Weight	lbs. (kg)	31 (14)	134 (61)	31 (14)	135 (61)	31 (14)	135 (61)	31 (14)	135 (61)
Dimensions: Height	Inch	12-5/8	32-3/4	12-5/8	32-3/4	12-5/8	32-3/4	12-5/8	32-3/4
	mm	320	830	320	830	320	830	320	830
Width	Inch	39-1/4	35-3/8	39-1/4	35-3/8	39-1/4	35-3/8	39-1/4	35-3/8
	mm	998	900	998	900	998	900	998	900
Depth	Inch	9	13	9	13	9	13	9	13
	mm	228	330	228	330	228	330	228	330
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A	R410A	R410A
Additional Data									
Air Direction: Horizontal		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Vertical		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable
Minimum Lineset Length	Ft (m)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length	Ft (m)	164 (50) (pre-charge: 66')	164 (50) (pre-charge: 66')	164 (50) (pre-charge: 66')	164 (50) (pre-charge: 66')	164 (50) (pre-charge: 65')	164 (50) (pre-charge: 65')	164 (50) (pre-charge: 65')	164 (50) (pre-charge: 65')
Max. Vertical Diff.	Ft (m)	98 (30)	98 (30)	98 (30)	98 (30)	30 (98)	30 (98)	30 (98)	30 (98)
Lineset Size	Inch	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8	Suc. 5/8 Dis. 3/8
* Based on model # capacity class (e.g. 9RLS3Y based on 9,000 BTUh) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.		Indoor ASU18RLF	Outdoor AO18RLXFW1	Indoor ASU24RLF	Outdoor AO24RLXFW1	Indoor ASU18RLF	Outdoor AO18RLXFWH	Indoor ASU24RLF	Outdoor AO24RLXFWH

Note: Figures are based on 230 Volts.

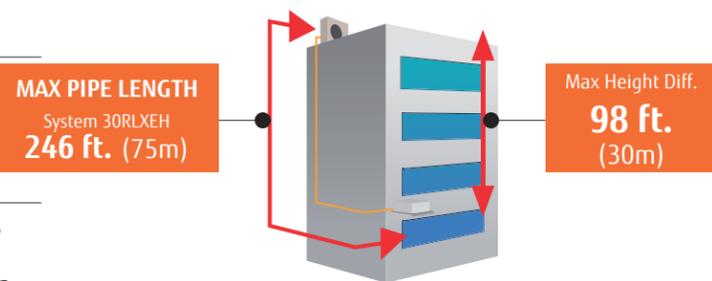
30,000 BTU_h WALL MOUNT HEAT PUMP



1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
 2 Available only with optional wired remote control.
 3 Available only with optional Interface kit.

EXTENDED LINESET

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



SERVER ROOM MODE

Server rooms can generate a tremendous amount of heat, and require cooling 24 hours a day. The strain of such a heat load is best handled with a redundant cooling system. Pairing two 30RLXEH systems together in Server Room Mode offers a unique solution for keeping network servers cool.

Two 30RLXEH systems can be set up to work together in Lead Lag[^] operation:

- Alternative Operation – units alternate operation, so neither unit is running at the same time.
- Backup Operation – if an error occurs on one unit, the second unit will turn on.
- Supporting Operation – if the setpoint cannot be reached with one unit alone, the second unit will come on to satisfy the demand for cooling.

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

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.

HIGH PERFORMANCE HEATING CAPACITY

The RLXEH model can operate down to -15°F. See the full XLTH story on page 14.

ADDITIONAL APPLICATIONS THAT MAY REQUIRE LOW AMBIENT COOLING:

- Conference/Meeting/Training Rooms
- Social Gathering spots
- Places of Worship

OPTIONAL ACCESSORIES

- Wired Touch Panel Remote Controller: UTY-RNRUZ1[^]
- Wired Remote Control: UTY-RVNUM[^]
- Wired Remote Control: UTY-RNNUM[^]
- Simple Remote Control: UTY-RSNUM[^]
- Dry Contact Wire Kit: UTY-XWZX
- Interface Kit: UTY-XCSXZ1
- Interface Kit Box: UTZ-GXXB
- Outdoor Unit Input/Output Connector: UTY-XWZXZ3

The 30RLXEH is specially engineered for spaces such as server rooms which require constant cool temperatures year round, and rooms that hold a large number of people (meeting spaces, classrooms, conference rooms).

HIGH-HEAT SYSTEM 30RLXEH

UP TO 18.7 SEER

30RLXEH



Performance		XLTH	
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	
SEER		18.7	
HSPF		11.7	
EER		12.5	
Cooling Operating Range	°F (°C)	-5-115 (-20-46)	
Heating Operating Range	°F (°C)	-15-75 (-26-24)	
Moisture Removal	Pt./h (l/h)	9.7 (4.6)	
Max Htg % of Model # Capacity at +5°F (-15°C)*		107%	
Max Htg % of Model # Capacity at -5°F (-21°C)*		91%	
Max Htg % of Model # Capacity at -15°F (-26°C)*		76%	
Fan			
Air Circulation: Hi	CFM (m ³ /h)	812 (1,380)	
Medium	CFM (m ³ /h)	665 (1,130)	
Low	CFM (m ³ /h)	536 (910)	
Quiet	CFM (m ³ /h)	418 (710)	
Fan Speed Stage		4+Auto	
Sound			
Indoor Sound Level (Clg/Htg): Hi	dB(A)	50/49	
Medium	dB(A)	45/44	
Low	dB(A)	38/38	
Quiet	dB(A)	32/32	
Outdoor Sound Level Clg/Htg	dB(A)	53/54	
Electrical			
Voltage/Frequency/Phase		208-230/60/1	
Circuit Breaker	Amps	30	
Current Rated: Cooling	Amps	10.6	
Current Rated: Heating	Amps	12.0	
Power Use Rated/Max: Cooling	kW	2.40/3.83	
Power Use Rated/Max: Heating	kW	2.74/4.28	
Size & Weight			
Net Weight	lbs. (kg)	40 (18)	205 (93)
	Inch	13-3/8	50-13/16
Dimensions: Height	mm	340	1,290
	Inch	45-1/4	35-3/8
Width	mm	1,150	900
	Inch	11	13
Depth	mm	280	330
	Inch		
Refrigerant		R410A	
Additional Data			
Air Direction: Horizontal		Automatic	
Vertical		Automatic	
Air Filter		Washable	
Minimum Lineset Length	Ft (m)	16 (5)	
Maximum Lineset Length	Ft (m)	246 (75) (pre-charge: 65')	
Max. Vertical Diff.	Ft (m)	30 (98)	
Lineset Size	Inch	Suc. 5/8	Dis. 3/8
		Indoor ASU30RLE	Outdoor HX30RLEA00

*Based on model # capacity class (e.g. 9RLS3Y based on 9,000 BTU_h) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.

Note: Figures are based on 230 Volts.

9 AND 12,000 BTUh, 115V, WALL MOUNT HEAT PUMPS



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

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.

EASY MAINTENANCE

Front panel is easily removed for cleaning.

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.

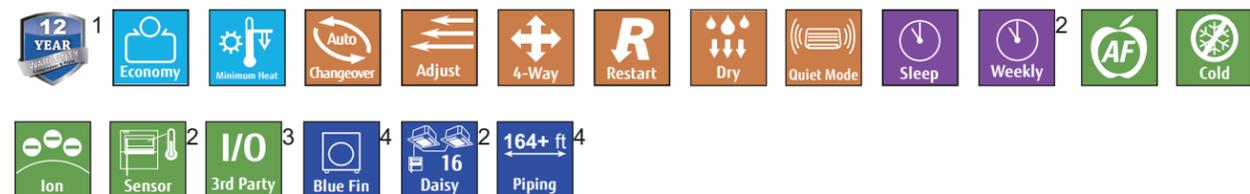


SYSTEMS 9RL2, 12RL2

16.0 SEER		9RL2	12RL2		
Performance					
Nominal Cooling	BTUh	9,000	12,000		
Min.-Max. Cooling	BTUh	1,700~10,700	3,100~12,500		
Nominal Heating	BTUh	10,000	14,000		
Min.-Max. Heating	BTUh	1,700~12,000	3,100~16,000		
SEER		16.0	16.0		
HSPF		9.0	9.0		
EER		10.8	10.0		
Cooling Operating Range	°F (°C)	15~115 (-10~46)	15~115 (-10~46)		
Heating 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)		
Fan					
Air Circulation: Hi	CFM (m3/h)	436 (740)	436 (740)		
Medium	CFM (m3/h)	353 (600)	353 (600)		
Low	CFM (m3/h)	265 (450)	265 (450)		
Quiet	CFM (m3/h)	191 (325)	191 (325)		
Fan Speed Stage		4 + Auto	4 + Auto		
Sound					
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43	43/43		
Medium	dB(A)	38/38	38/38		
Low	dB(A)	33/33	33/33		
Quiet	dB(A)	23/23	23/23		
Outdoor Sound Level Clg/Htg	dB(A)	47/48	51/51		
Electrical					
Voltage/Frequency/Phase		115/60/1	115/60/1		
Circuit Breaker	Amps	15	20		
Current Rated: Cooling	Amps	7.5	10.9		
Current Rated: Heating	Amps	7.0	11.0		
Power Use Rated: Cooling	kW	0.83	1.20		
Power Use Rated: Heating	kW	0.77	1.21		
Size & Weight					
Net Weight	lbs. (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		R410A		R410A	
Additional Data					
Air Direction: Horizontal		Manual		Manual	
Vertical		Automatic		Automatic	
Air Filter		Washable		Washable	
Minimum Lineset Length	Ft (m)	10 (3)		10 (3)	
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)	
Lineset Diameter	Inch	Suc. 3/8	Dis. 1/4	Suc. 3/8	Dis. 1/4
		Indoor ASU9RL2	Outdoor AO9RL2	Indoor ASU12RL2	Outdoor AO12RL2

Note: Figures are based on 115 Volts.

18, 24, 30, 36,000 BTU_h WALL MOUNT HEAT PUMPS



1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
 2 Available only with optional wired remote control.
 3 Available only with optional Interface kit.
 4 RLXB models only.

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.

OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RVNUM
- Wired Remote Control: UTY-RNNUM
- Simple Remote Control: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWZX



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

UP TO 19.0 SEER

18RLB	24RLB	30RLXB	36RLXB
-------	-------	--------	--------

		18RLB	24RLB	30RLXB	36RLXB				
Performance									
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	10,200-35,000				
SEER		19.0	18.0	16.5	15.5				
HSPF		10.6	10.6	9.0	9.0				
EER		12.5	10.0	9.5	8.5				
Cooling Operating Range	°F (°C)	14-115 (-10-46)	14-115 (-10-46)	14-115 (-10-46)	14-115 (-10-46)				
Heating Operating Range	°F (°C)	5-75 (-15-24)	5-75 (-15-24)	5-75 (-15-24)	5-75 (-15-24)				
Moisture Removal	Pt./h (l/h)	4.0 (1.9)	6.3 (3.0)	9.7 (4.6)	10.1 (4.8)				
Fan									
Air Circulation: Hi	CFM (m ³ /h)	542 (920)	659 (1,120) Clg 647 (1,100) Htg	659 (1,120) Clg 677 (1,150) Htg	695 (1,180)				
Medium	CFM (m ³ /h)	439 (740)	530 (900)	530 (900)	530 (900)				
Low	CFM (m ³ /h)	365 (620)	436 (740)	436 (740)	436 (740)				
Quiet	CFM (m ³ /h)	306 (520)	365 (620)	365 (620)	365 (620)				
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto				
Sound									
Indoor Sound Level (Clg/Htg): Hi	dB(A)	42/43	47/47	47/49	50/50				
Medium	dB(A)	35/36	41/42	42/42	42/42				
Low	dB(A)	31/33	35/36	37/37	37/37				
Quiet	dB(A)	26/28	31/33	32/33	32/33				
Outdoor Sound Level Clg/Htg	dB(A)	51/50	54/55	52/55	52/55				
Electrical									
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1				
Circuit Breaker	Amps	15	20	30	30				
Current Rated/Max: Cooling	Amps	6.4/8.3	10.5/11.8	13.8/16.8	17.0/18.0				
Current Rated/Max: Heating	Amps	5.8/11.8	8.5/13.8	12.3/18.8	14.8/18.8				
Power Use Rated: Cooling	kW	1.44/1.89	2.40/2.69	3.16/3.83	3.88/4.10				
Power Use Rated: Heating	kW	1.29/2.69	1.93/3.14	2.80/4.28	3.39/4.28				
Size & Weight									
Net Weight	lbs. (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		R410A		R410A		R410A		R410A	
Additional Data									
Air Direction: Horizontal		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Vertical		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable
Minimum Piping Length	Ft (m)	10 (3)	10 (3)	10 (3)	10 (3)	16 (5)	16 (5)	16 (5)	16 (5)
Maximum Piping Length	Ft (m)	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	165 (50) (pre-charge: 66')	165 (50) (pre-charge: 66')	165 (50) (pre-charge: 66')	165 (50) (pre-charge: 66')
Maximum Vertical Differential	Ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	98 (30)	98 (30)	98 (30)	98 (30)
Lineset Size	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
		Indoor ASU18RLB	Outdoor AOU18RLB	Indoor ASU24RLB	Outdoor AOU24RLB	Indoor ASU30RLXB	Outdoor AOU30RLXB	Indoor ASU36RLXB	Outdoor AOU36RLXB

Note: Figures are based on 230 Volts.

9, 12, 15,000 BTU_h FLOOR MOUNT HEAT PUMPS



1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
 2 Available with optional wired remote control.
 3 RLFFH models only.

IDEAL RADIATOR REPLACEMENT



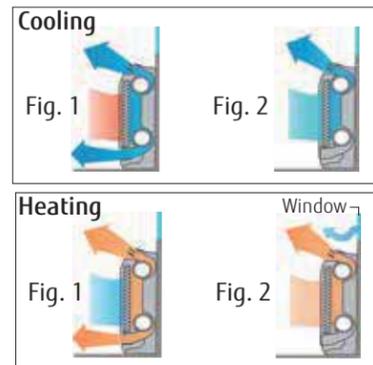
At less than 24" high and 30" wide, floor mount models fit easily under a standard window and can replace a radiator twice its size while producing more capacity.

BASE PAN HEATER (RLFFH MODELS)

RLFF models can operate down to -5°F. RLFFH models can operate down to -15°F. See the full **XLTH** story on page 14.

OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RVNUM
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Control: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWZX5



Cooling
 1. Upon startup, both top and bottom louvers open.
 2. As the room temperature nears the setpoint, only the top louver stays open to help prevent cold air from falling.

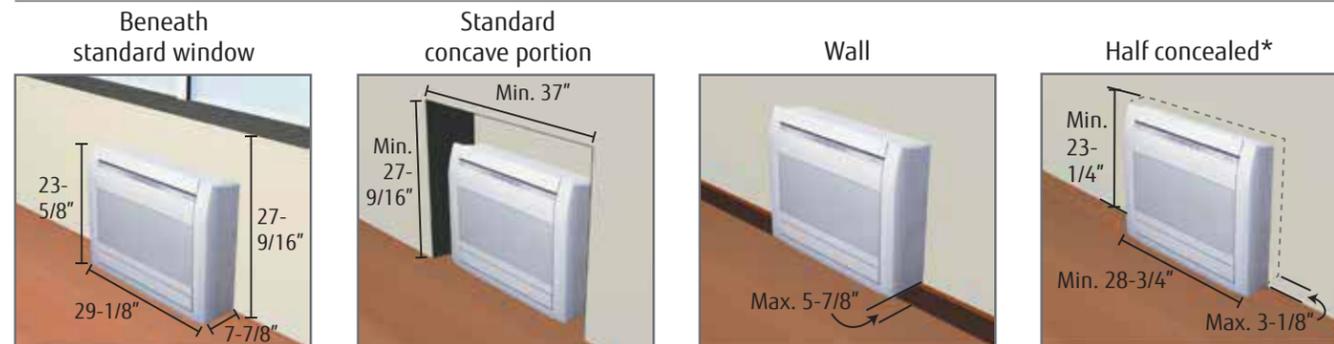
Heating
 1. Upon startup, both top and bottom louvers open.
 2. Closer to setpoint, only the top louver stays open to help prevent cold drafts from windows.

TWO FANS 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



*Field supplied insulation required

HFI SYSTEMS 9RLFF, 12RLFF, 15RLFF HIGH HEAT SYSTEMS 9RLFFH, 12RLFFH, 15RLFFH

UP TO 26 SEER

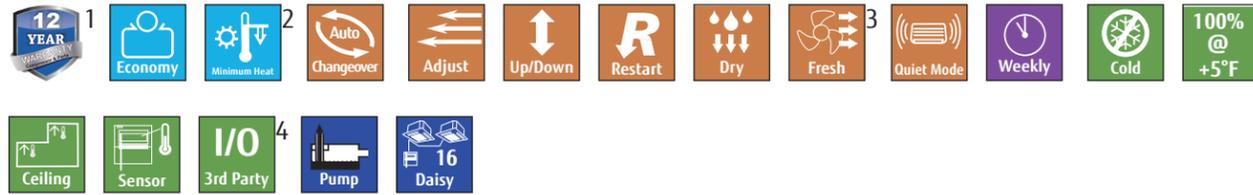
		9RLFF	12RLFF	15RFF	9RLFFH	12RLFFH	15RLFFH
Performance		HFI	HFI	HFI	XLTH	XLTH	XLTH
Nominal Cooling	BTU _h	9,000	12,000	14,200	9,000	12,000	14,200
Min.-Max. Cooling	BTU _h	3,100-13,000	3,100-14,300	3,100-17,700	3,100-13,000	3,100-14,300	3,100-17,700
Nominal Heating	BTU _h	12,000	16,000	18,000	12,000	16,000	18,000
Min.-Max. Heating	BTU _h	3,100-18,800	3,100-22,100	3,100-23,900	3,100-18,800	3,100-19,500	3,100-20,800
SEER		26.0	22.7	20.3	26.0	22.7	20.3
HSPF		12.6	11.6	11.2	12.4	11.3	11.0
EER		16.0	13.1	12.5	16.0	13.1	12.5
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	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)	-15~75 (-26~24)	-15~75 (-26~24)	-15~75 (-26~24)
Moisture Removal	Pt./h (l/h)	2.75 (1.3)	3.8 (1.8)	4.44 (2.1)	2.75 (1.3)	3.8 (1.8)	4.44 (2.1)
Max Htg % of Model # Capacity at +5°F (-15°C)*		149%	125%	118%	149%	125%	118%
Max Htg % of Model # Capacity at -5°F (-21°C)*		130%	111%	107%	130%	111%	107%
Max Htg % of Model # Capacity at -15°F (-26°C)*		--	--	--	115%	100%	96%
Fan							
Air Circulation: Hi	CFM (m ³ /h)	335 (570)	335 (570)	383 (650)	335 (570)	335 (570)	383 (650)
Medium	CFM (m ³ /h)	271 (460)	271 (460)	306 (520)	271 (460)	271 (460)	306 (520)
Low	CFM (m ³ /h)	212 (360)	212 (360)	235 (400)	212 (360)	212 (360)	235 (400)
Quiet	CFM (m ³ /h)	159 (270)	159 (270)	159 (270)	159 (270)	159 (270)	159 (270)
Fan Speed Stage		4+Auto	4+Auto	4+Auto	4+Auto	4+Auto	4+Auto
Sound							
Indoor Level (Clg/Htg): Hi	dB(A)	40/40	40/40	44/43	40/40	40/40	44/43
Medium	dB(A)	35/35	35/35	38/37	35/35	35/35	38/37
Low	dB(A)	29/29	29/29	31/29	29/29	29/29	31/29
Quiet	dB(A)	23/23	23/23	23/23	23/23	23/23	23/23
Outdoor Level Clg/Htg	dB(A)	50/50	52/52	54/54	50/50	52/52	54/54
Electrical							
Voltage/Frequency/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
Circuit Breaker	Amps	15	15	20	15	15	20
Current Rated: Cooling	Amps	2.9	4.2	5.1	2.9	4.2	5.1
Current Rated: Heating	Amps	4.1	6.7	7.0	4.1	6.7	7.0
Power Use Rated: Cooling	kW	.56	.97	1.13	.56	.97	1.13
Power Use Rated: Heating	kW	.88	1.44	1.58	.88	1.44	1.58
Size & Weight							
Net Weight	lbs. (kg)	31 (14)	84 (38)	31 (14)	86 (39)	31 (14)	86 (39)
Dimensions: Height	Inch	23-5/8	24-7/16	23-5/8	24-7/16	23-5/8	24-7/16
	mm	600	620	600	620	600	620
Width	Inch	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
Depth	Inch	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
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Additional Data							
Air Direction: Horizontal		Manual	Manual	Manual	Manual	Manual	Manual
Vertical		Auto	Auto	Auto	Auto	Auto	Auto
Air Filter		Washable	Washable	Washable	Washable	Washable	Washable
Minimum Lineset Length	Ft (m)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')	66 (20) (pre-charge: 49')
Max. Vertical Differential	Ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)
Lineset Size	Inch	Suc. 3/8 Dis. 1/4	Suc. 3/8 Dis. 1/4	Suc. 1/2 Dis. 1/4	Suc. 3/8 Dis. 1/4	Suc. 3/8 Dis. 1/4	Suc. 1/2 Dis. 1/4
* Based on model # capacity class (e.g. 9RLS3Y based on 9,000 BTU _h) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.							
		Indoor AGU9RLF	Outdoor AOU9RLFF	Indoor AGU12RLF	Outdoor AOU12RLFF	Indoor AGU15RLF	Outdoor AOU15RLFFH

Note: Figures are based on 230 Volts.

9, 12, 18,000 BTU_h COMPACT CASSETTE HEAT PUMPS



Compact Cassette Grille UTG-CCGF shown is sold separately and must be ordered with each compact cassette.



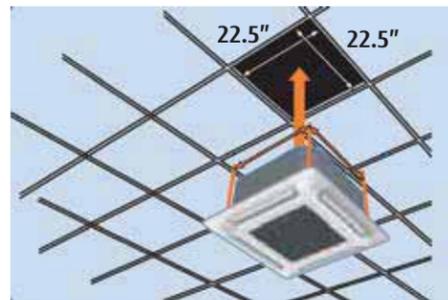
- 1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
- 2 Available only with optional wireless remote control.
- 3 Requires Fujitsu's Optional Fresh Air Kit part #UTZ-VXAA. Allows for a 4-inch flex duct connection. Requires a 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.
- 4 Available only with optional Interface kit. Operation monitoring and On/Off control only.

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.

EASY INSTALLATION

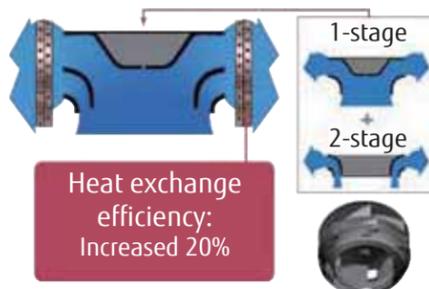
Fits into a standard ceiling tile*.



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

2-STAGE TURBO FAN

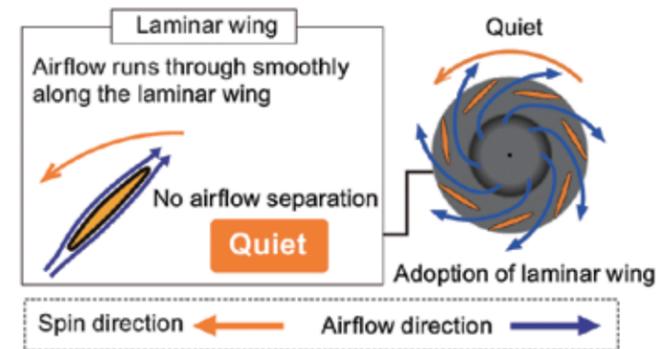
Air distribution is evenly spread across the heat exchanger by the 2 stage turbo fan which produces two separate airflow streams.



QUIET OPERATION

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

Designed by CFD-analysis (fluid) simulations



OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RVNUM
- Wireless remote UTY-LNHU
- Fresh Air Kit³ UTZ-VXAA
Mixes room air which then passes through the heat exchanger.



HFI SYSTEMS 9RLFCC, 12RLFCC, 18RLFCC

UP TO 24.0 SEER

		9RLFCC	12RLFCC	18RLFCC
Performance		HFI	HFI	HFI
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
SEER		24.0	21.9	20.1
HSPF		13.0	12.2	11.5
EER		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)
Fan				
Air Circulation: Hi	CFM (m ³ /h)	318 (540) Clg or Htg	359 (610) Clg or Htg	400 (680) Clg 471 (800) Htg
Medium	CFM (m ³ /h)	288 (490) Clg or Htg	312 (530) Clg or Htg	341 (580) Clg 400 (680) Htg
Low	CFM (m ³ /h)	259 (440) Clg or Htg	277 (470) Clg or Htg	288 (490) Clg 341 (580) Htg
Quiet	CFM (m ³ /h)	230 (390) Clg or Htg	241 (410) Clg or Htg	241 (410) Clg 265 (450) Htg
Fan Speed Stage		4+auto	4+auto	4+auto
Sound				
Indoor Sound Level (Clg/Htg): Hi	dB(A)	33/34	37/37	40/44
Medium	dB(A)	32/32	33/33	36/40
Low	dB(A)	29/29	31/31	32/36
Quiet	dB(A)	28/27	28/28	28/30
Outdoor Sound Level Clg/Htg	dB(A)	48/49	49/50	54/55
Electrical				
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1
Circuit Breaker	Amps	15	15	20
Current Rated: Cooling	Amps	3.0	4.4	7.1
Current Rated: Heating	Amps	4.1	6.7	7.7
Power Use Rated/Max: Cooling	kW	0.62/1.40	0.94/1.45	1.61/2.15
Power Use Rated/Max: Heating	kW	0.89/1.80	1.44/2.00	1.76/2.60
Size & Weight				
Net Weight	lbs. (kg)	33 (15)	84 (38)	33 (15)
Dimensions: Height	Inch	9-11/16	1-15/16	24-1/2
	mm	245	49	620
Width	Inch	22-7/16	27-9/16	31-3/32
	mm	570	700	790
Depth	Inch	22-7/16	27-9/16	11-11/32
	mm	570	700	290
Refrigerant		R410A	R410A	R410A
Additional Data				
Air Direction: Vertical		Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable
Minimum Lineset Length	Ft (m)	10 (3)	10 (3)	10 (3)
Maximum Lineset Length	Ft (m)	66 (20)	66 (20)	66 (20)
Max. Vertical Diff.	Ft (m)	49 (15)	49 (15)	49 (15)
Lineset Size	Inch	suc 3/8	dis 1/4	suc 3/8
		Indoor AUU9RLF	Grille UTG-CCGF	Outdoor AOU9RLF
		suc 3/8	dis 1/4	suc 3/8
		Indoor AUU12RLF	Grille UTG-CCGF	Outdoor AOU12RLF
		suc 1/2	dis 1/4	suc 1/2
		Indoor AUU18RLF	Grille UTG-CCGF	Outdoor AOU18RLF

Note: Figures are based on 230 Volts.

9, 12, 18,000 BTU/h SLIM DUCT HEAT PUMPS



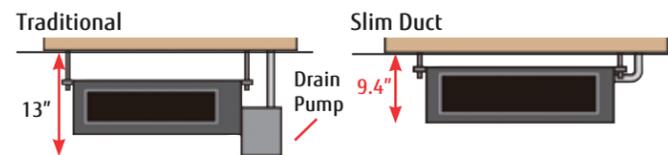
- 1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
- 2 Available only with optional wireless remote control.
- 3 Available only with optional Interface kit. Operation monitoring and On/Off control only.

FUNCTION

Slim ducts provide cooling or heating for small room applications such as offices, restaurants, convenience stores, motels, dorms, in retrofit and new construction. Long maximum combined piping length of 66' and 49' in height allow for versatile installations. Either horizontal or vertical flexibility and low height enables compact soffit or cabinet installation.

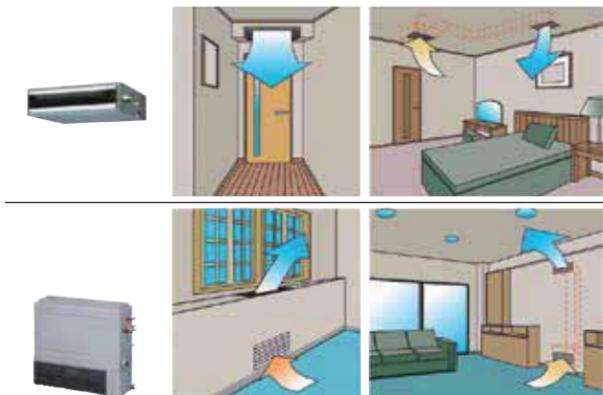
SLIM DUCT

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

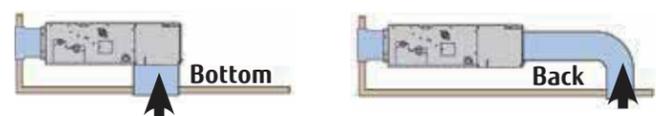


FLEXIBLE INSTALLATION

Unit can be placed horizontally or vertically. However, internal drain pump will not operate when the unit is mounted in a vertical configuration.



RETURN AIR-INTAKE CHOICES



OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RVNUM
- Wireless Remote and Receiver UTY-LRHUM
- Auto Louver Grille Kit UTD-GXSA-W (for ARU7/9/12)
UTD-GXSB-W (for ARU18)

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 9RLF	ARU 12RLF	ARU 18RLF
CFM	353	383	547
Typical Filter Size	12 x 20	12 x 20	14 x 25
Velocity, FPM	212	230	228
Unit External SP, in. W.C.	0.36	0.36	0.36
1" Fiberglass Filter			
SP Loss, in. W.C.	0.04	0.05	0.04
Available Static Pressure	0.32	0.31	0.32
1" MERV 8 Pleated Filter			
SP Loss, in. W.C.	0.12	0.14	0.14
Available Static Pressure	0.24	0.22	0.22
2" MERV 8 Pleated Filter			
SP Loss, in. W.C.	0.07	0.08	0.08
Available Static Pressure	0.29	0.28	0.28

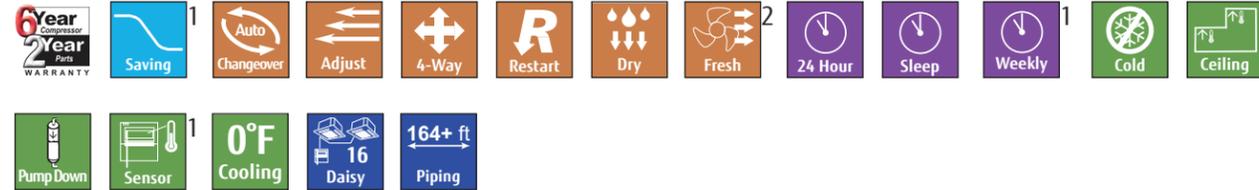
HFI SYSTEMS 9RLFCD, 12RLFCD, 18RLFCD

UP TO 21.5 SEER

		9RLFCD	12RLFCD	18RLFCD									
Performance		HFI	HFI	HFI									
Nominal Cooling	BTUh	9,000	12,000	18,000									
Min.-Max. Cooling	BTUh	3,100~12,000	3,100~13,600	3,100~20,100									
Nominal Heating	BTUh	12,000	16,000	21,600									
Min.-Max. Heating	BTUh	3,100~18,000	3,100~19,400	3,100~25,600									
SEER		21.5	20.0	19.7									
HSPF		12.2	11.5	11.3									
EER		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)									
Fan													
Air Circulation: Hi	CFM (m3/h)	353 (600)	383 (650)	554 (940)									
Medium	CFM (m3/h)	324 (550)	353 (600)	518 (880)									
Low	CFM (m3/h)	294 (500)	324 (550)	483 (820)									
Quiet	CFM (m3/h)	265 (450)	283 (480)	442 (750)									
Fan Speed Stage		4+auto	4+auto	4+auto									
Sound													
Indoor Sound Level (Clg/Htg): Hi	dB(A)	28/28	29/29	32/32									
Medium	dB(A)	27/26	28/28	30/30									
Low	dB(A)	26/25	27/27	29/29									
Quiet	dB(A)	25/24	26/24	27/27									
Outdoor Sound Level Clg/Htg	dB(A)	48/49	49/50	54/55									
Electrical													
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1									
Circuit Breaker	Amps	15	15	20									
Current Rated: Cooling	Amps	3.0	4.4	6.6									
Current Rated: Heating	Amps	3.9	6.0	7.3									
Power Use Rated/Max: Cooling	kW	0.62/1.40	0.94/1.45	1.50/2.15									
Power Use Rated/Max: Heating	kW	0.85/1.80	1.30/2.00	1.67/2.60									
Size & Weight													
Net Weight	lbs. (kg)	41 (19)	84 (38)	41 (19)	84 (38)	50 (23)	86 (39)						
Dimensions: Height	Inch	7-25/32	5-15/16	6	24-1/2	7-25/32	5-15/16	6	24-1/2	7-25/32	5-15/16	6	24-1/2
	mm	198	151	152	620	198	151	152	620	198	151	152	620
Width	Inch	27-9/16	25-19/32	22	31-3/32	27-9/16	25-19/32	22	31-3/32	35-7/16	33-15/32	30	31-3/32
	mm	700	650	559	790	700	650	559	790	900	850	762	790
Depth	Inch	24-13/32	3/4	3/4 Flat	11-11/32	24-13/32	3/4	3/4 Flat	11-11/32	24-13/32	3/4	3/4 Flat	11-11/32
	mm	620	19	19 Flat	290	620	19	19 Flat	290	620	19	19 Flat	290
Refrigerant		R410A			R410A			R410A					
Additional Data													
Static Pressure in. W. C.		0 ~ 0.36			0 ~ 0.36			0 ~ 0.36					
Air Filter		Washable			Washable			Washable					
Minimum Lineset Length	Ft (m)	10 (3)			10 (3)			10 (3)					
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')			66 (20) (pre-charge: 49')			66 (20) (pre-charge: 49')					
Max. Vertical Diff.	Ft (m)	49 (15)			49 (15)			49 (15)					
Lineset Size	Inch	suc 3/8		dis 1/4	suc 3/8		dis 1/4	suc 1/2		dis 1/4			
		Indoor ARU9RLF	SUPPLY DUCT FLANGE	RETURN DUCT	Outdoor AOJ9RLF	Indoor ARU12RLF	SUPPLY DUCT FLANGE	RETURN DUCT	Outdoor AOJ12RLF	Indoor ARU18RLF	SUPPLY DUCT FLANGE	RETURN DUCT	Outdoor AOJ18RLF

Note: Figures are based on 230 Volts.

18, 24, 36,000 BTU_h CEILING & UNIVERSAL HEAT PUMPS



1 Available only with optional wired remote control.
2 Fresh air knockout available. Fresh air fan and ductwork field supplied. See Design and Technical Manual for details.

APPLICATIONS

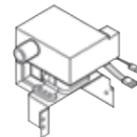
The universal floor/ceiling mount 18RULX and 24RULX are ideal for a house of worship to mount beneath stained glass windows. Lower in height than the pews, they do not disturb the aesthetics of the space. With long piping lengths of 165' the outdoor units can also be placed remotely out of sight. Another 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.

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.

OPTIONAL ACCESSORIES

- Wired Remote Control UTY-RNBYU*
 - Weekly Timer
 - Full Function Wired Remote
 - Child Lock Capable
- Condensate Pump UTR-DPB24T
 - OEM design plug and play
 - Rated for 11.8" of vertical lift.
 - Available only for System 36RSLX.



*Requires dip switch change on indoor unit.



SYSTEMS 18RULX, 24RULX, 36RSLX

UP TO 16 SEER		18RULX		24RULX		36RSLX	
Performance							
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	21,500		24,000		36,500	
Min.-Max. Heating	BTU _h	5,000~25,600		5,000~29,000		9,200~42,700	
SEER		16.0		15.0		14.0	
HSPF		8.5		8.5		8.5	
EER		10.9		9.9		8.1	
Cooling Operating Range	°F (°C)	0~115 (-18~46)		0~115 (-18~46)		0~115 (-18~46)	
Heating Operating Range	°F (°C)	14~75 (-10~24)		14~75 (-10~24)		14~75 (-10~24)	
Moisture Removal	Pt./h (l/h)	5.3 (2.5)		7.4 (3.5)		7.4 (3.5)	
Fan							
Air Circulation: Hi	CFM (m3/h)	459 (780)		518 (880)		1089 (1850)	
Medium	CFM (m3/h)	383 (650)		436 (740)		977 (1660)	
Low	CFM (m3/h)	324 (550)		371 (630)		842 (1430)	
Quiet	CFM (m3/h)						
Fan Speed Stage		3 + Auto		3 + Auto		3 + Auto	
Sound							
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43 (Clg/Htg)		47/47 (Clg/Htg)		48/48 (Clg/Htg)	
Medium	dB(A)	39/39 (Clg/Htg)		43/43 (Clg/Htg)		45/43 (Clg/Htg)	
Low	dB(A)	35/35 (Clg/Htg)		38/38 (Clg/Htg)		41/39 (Clg/Htg)	
Quiet	dB(A)						
Outdoor Sound Level Clg/Htg	dB(A)	51/53		53/55		54/55	
Electrical							
Voltage/Frequency/Phase		208-230/60/1		208-230/60/1		208-230/60/1	
Circuit Breaker	Amps	20		20		30	
Current Rated/Max: Cooling	Amps	7.1/12.5		9.8/12.5		18.3/18.8	
Current Rated/Max: Heating	Amps	9.8/12.5		10.2/12.5		15.3/18.8	
Power Use Rated/Max: Cooling	kW	1.63/2.88		2.25/2.88		4.22/4.35	
Power Use Rated/Max: Heating	kW	2.25/2.88		2.35/2.88		3.50/4.35	
Size & Weight							
Net Weight	lbs. (kg)	62 (28)	141 (64)	62 (28)	141 (64)	106 (48)	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	655	330	700	330
Refrigerant		R410A		R410A		R410A	
Additional Data							
Air Direction: Horizontal		Automatic		Automatic		Automatic	
Vertical		Automatic		Automatic		Automatic	
Air Filter		Washable		Washable		Washable	
Front Grille		Permanent		Permanent		Permanent	
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)	
Maximum Lineset Length	Ft (m)	165 (50) (pre-charge: 49')		165 (50) (pre-charge: 49')		165 (50) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	66 (20)		66 (20)		98 (30)	
Lineset Size	Inch	Suc.1/2	Dis. 1/4	Suc.5/8	Dis. 3/8	Suc.5/8	Dis. 3/8
		Indoor ABU18RULX	Outdoor AOU18RLX	Indoor ABU24RULX	Outdoor AOU24RLX	Indoor ABU36RSLX	Outdoor AOU36RSLX

Note: Figures are based on 230 Volts.

18, 24, 36, 42,000 BTU/h LARGE CASSETTE HEAT PUMPS



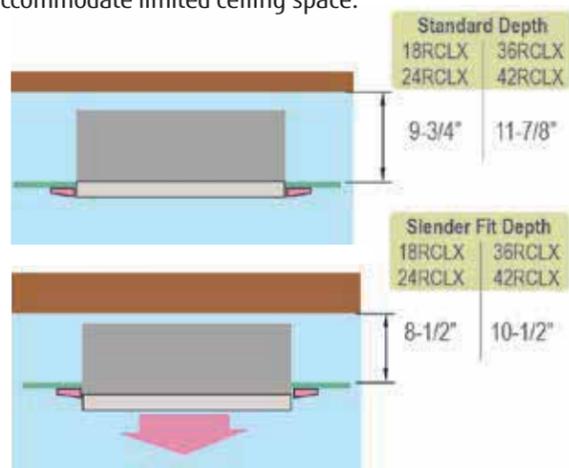
1 Fresh air knockout available. Fresh air fan and ductwork field supplied. See design and technical manual for details. Fujitsu fresh air intake kit available part #KHRS940-25.

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.

SLENDER FIT

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



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.

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.



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

UP TO 16.0 SEER

		18RCLX	24RCLX	36RCLX	42RCLX				
Performance									
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				
Min.-Max. Heating	BTU/h	5,000~25,600	5,000~29,000	9,200~42,700	14,300~54,600				
SEER		16.0	15.0	14.0	15.0				
HSPF		8.5	8.5	8.5	8.5				
EER		11.1	10.6	8.1	9.2				
Cooling Operating Range	°F (°C)	0~115 (-18~46)	0~115 (-18~46)	0~115 (-18~46)	0~115 (-18~46)				
Heating 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)	5.3 (2.5)	6.4 (3.0)	8.5 (4.0)	11.6 (5.5)				
Fan									
Air Circulation: Hi	CFM (m ³ /h)	559 (950)	618 (1,050)	942 (1,600)	1,000 (1,700)				
Medium	CFM (m ³ /h)	477 (810)	536 (910)	824 (1,400)	854 (1,450)				
Low	CFM (m ³ /h)	394 (670)	436 (740)	677 (1,150)	736 (1,250)				
Fan Speed Stage		3 + Auto	3 + Auto	3 + Auto	3 + Auto				
Sound									
Indoor Sound Level (Clg/Htg): Hi	dB(A)	42/40 (Clg/Htg)	45/43 (Clg/Htg)	48/48 (Clg/Htg)	50/50 (Clg/Htg)				
Medium	dB(A)	39/38 (Clg/Htg)	43/39 (Clg/Htg)	45/45 (Clg/Htg)	48/48 (Clg/Htg)				
Low	dB(A)	36/36 (Clg/Htg)	38/35 (Clg/Htg)	41/41 (Clg/Htg)	44/44 (Clg/Htg)				
Outdoor Sound Level Clg/Htg	dB(A)	51/53 (Clg/Htg)	53/55 (Clg/Htg)	54/55 (Clg/Htg)	55/56 (Clg/Htg)				
Electrical									
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1				
Circuit Breaker	Amps	20	20	30	30				
Current Rated/Max: Cooling	Amps	7.0/12.5	9.2/12.5	18.3/18.8	20.3/21.7				
Current Rated/Max: Heating	Amps	8.9/12.5	10.4/12.5	16.1/18.8	18.8/21.7				
Power Use Rated/Max: Cooling	kW	1.61/2.88	2.10/2.88	4.22/4.35	4.66/4.99				
Power Use Rated/Max: Heating	kW	2.05/2.88	2.37/2.88	3.70/4.35	4.31/4.99				
Size & Weight									
Net Weight	lbs. (kg)	Suc. 1/2	Dis. 1/4	Suc. 5/8	Dis. 3/8	Suc. 5/8	Dis. 3/8	Suc. 5/8	Dis. 3/8
Dimensions: Height	Inch	75 (34)	141 (64)	75 (34)	141 (64)	82 (37)	141 (64)	88 (40)	231 (105)
	mm	9-3/4	32-3/4	9-3/4	32-3/4	11-5/8	32-3/4	11-5/8	50-7/8
Width	Inch	246	830	246	830	296	830	296	1290
	mm	32-3/4	35-1/2	32-3/4	35-1/2	32-3/4	35-1/2	32-3/4	35-1/2
Depth	Inch	830	900	830	900	830	900	830	900
	mm	32-3/4	13	32-3/4	13	32-3/4	13	32-3/4	13
Refrigerant		830	330	830	330	830	330	830	330
Additional Data									
Air Direction: Horizontal		-	-	-	-	-	-	-	-
Vertical		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable	Washable	Washable	Washable	Washable
Front Grille		Removable	Removable	Removable	Removable	Removable	Removable	Removable	Removable
Minimum Lineset Length	Ft (m)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length	Ft (m)	165 (50) Each (pre-charge: 49')	165 (50) Each (pre-charge: 49')	165 (50) Each (pre-charge: 49')	165 (50) Each (pre-charge: 49')	165 (50) Each (pre-charge: 49')	165 (50) Each (pre-charge: 49')	230 (70) Each (pre-charge: 66')	230 (70) Each (pre-charge: 66')
Max. Vertical Diff.	Ft (m)	66 (20)	66 (20)	66 (20)	66 (20)	98 (30)	98 (30)	98 (30)	98 (30)
Lineset Size	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
		Indoor AUU18RCLX	Outdoor AOU18RCLX	Indoor AUU24RCLX	Outdoor AOU24RCLX	Indoor AUU36RCLX	Outdoor AOU36RCLX	Indoor AUU42RCLX	Outdoor AOU42RCLX

Note: Figures are based on 230 Volts.

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
- Six combinations are ENERGY STAR® qualified
- Create hundreds of combinations based on indoor type and BTUh



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



18, 24, 36,000 BTUh

- 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

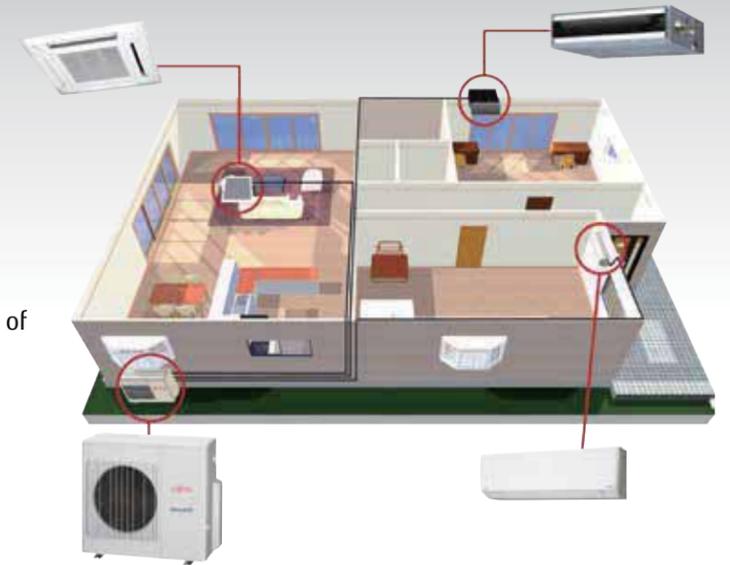


- Connect 2 to 8 indoor units
- 80 to 130% connectable capacity
- Connect 39,000 to 62,000 BTU
- Branch boxes and separation tubes required



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.



MULTI-ZONE AND XLTH SERIES SYSTEMS 18, 24, 36, AND 45,000 BTUh

AOU18RLXFZ

AOU24RLXFZ

AOU36RLXFZ1

AOU45RLXFZ

AOU18RLXFZH

AOU24RLXFZH

AOU36RLXFZH

CONNECTABLE CAPACITY

This allows connectable indoor units' total capacity to exceed outdoor unit capacity. See Allowable Combination Table on page 64.

If all indoor units are cooling or heating at the same time, the system will limit 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 BTUh (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 BTUh

AOU48RLXFZ1

130% CONNECTABLE CAPACITY

The HFI system is rated at 48,000 BTUh but you can connect up to 130%, or 62,000 BTUh of rated indoor unit capacity to the AOU48RLXFZ1. Connectable capacity allows you to connect indoor units that can exceed outdoor unit capacity. However, 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 limit 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 BTUh (38,000 BTUh downstairs and 24,000 BTUh 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

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.

MULTI-ZONE INDOOR UNITS

WALL MOUNTS					
ASU7, 9, 12RLF1	✓	✓	✓	✓	✓
ASU15RLF1		✓	✓	✓	✓
ASU18RLF		✓	✓	✓	✓
ASU24RLF			✓	✓	✓
FLOOR MOUNTS					
AGU9, 12RLF	✓	✓	✓	✓	✓
AGU15RLF		✓	✓	✓	✓
SLIM DUCTS					
ARU7, 9, 12RLF	✓	✓	✓	✓	✓
ARU18RLF		✓	✓	✓	✓
ARU24RLF			✓	✓	✓
COMPACT CASSETTES					
AUU7, 9, 12RLF	✓	✓	✓	✓	✓
AUU18RLF		✓	✓	✓	✓
OTHER					
SEPARATION TUBES: UTP-SX248A					✓
BRANCH BOXES: UTP-PU03A, B					✓



MULTI-ZONE OUTDOOR UNITS

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

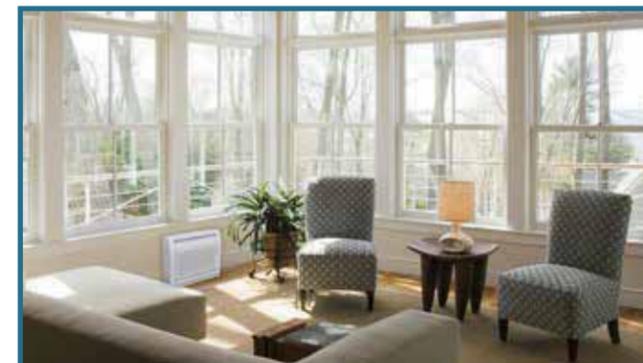
Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.

- 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



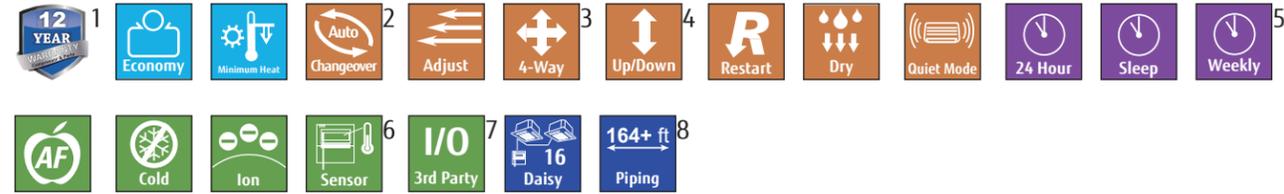
FLOOR MOUNTED

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

7, 9, 12, 15, 18, 24,000 BTU_h WALL MOUNT

MULTI-ZONE INDOOR



- 1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
- 2 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. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.
- 3 RLF models only.
- 4 RLF1 models only.
- 5 RLF1 models: Available only with optional wired remote control.
- 6 Available only with optional wired remote control and optional interface kit.
- 7 Available only with optional interface kit.
- 8 Available only when used with Flex Zone AOU48RLXFZ1 outdoor unit.



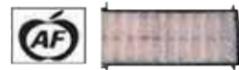
BUILT IN FILTRATION

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-fine-particle ceramic. The filter can be used for approximately 3 years if it is washed with water when dirty to restore its 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.

HFI ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1, ASU18RLF, ASU24RLF

		ASU7RLF1	ASU9RLF1	ASU12RLF1	ASU15RLF1	ASU18RLF	ASU24RLF
Performance		HFI	HFI	HFI	HFI	HFI	HFI
Nominal Cooling	BTU _h	7,000	9,000	12,000	14,000	18,000	24,000
Nominal Heating	BTU _h	8,100	10,200	13,500	16,300	20,000	27,000
Fan							
Air Circulation: Hi	CFM (m3/h)	Clg 330 (560) Htg 330 (560)	Clg 353 (600) Htg 353 (600)	Clg 388 (660) Htg 388 (660)	Clg 430 (730) Htg 430 (730)	Clg 542 (920) Htg 542 (920)	Clg 659 (1,120) Htg 647 (1,100)
Medium	CFM (m3/h)	Clg 294 (500) Htg 294 (500)	Clg 306 (520) Htg 306 (520)	Clg 330 (560) Htg 330 (560)	Clg 353 (600) Htg 362(615)	Clg 436 (740) Htg 436 (740)	Clg 530 (900) Htg 530 (900)
Low	CFM (m3/h)	Clg 253 (430) Htg 253 (430)	Clg 253 (430) Htg 253 (430)	Clg 265 (450) Htg 277 (470)	Clg 312 (530) Htg 330 (560)	Clg 365 (620) Htg 365 (620)	Clg 436 (740) Htg 436 (740)
Quiet	CFM (m3/h)	Clg 182 (310) Htg 194 (330)	Clg 182 (310) Htg 194 (330)	Clg 182 (310) Htg 194 (330)	Clg 212 (360) Htg 221 (375)	Clg 324 (550) Htg 324 (550)	Clg 365 (620) Htg 365 (620)
Fan Speed Stage		4+auto	4+auto	4+auto	4+auto	4+auto	4+auto
Sound							
Indoor Sound Level (Clg/Htg): Hi	dB(A)	36/36	37/37	40/40	42/42	43/44	49/48
Medium	dB(A)	32/32	33/33	36/36	38/38	37/37	42/42
Low	dB(A)	29/29	29/29	30/31	33/35	33/33	37/37
Quiet	dB(A)	21/22	21/22	21/22	25/27	31/31	33/33
Electrical							
Voltage/Frequency/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
Current Rated: Cooling	Amps	0.13	0.15	0.19	0.25	0.32	0.53
Current Rated: Heating	Amps	0.13	0.15	0.19	0.25	0.32	0.53
Power Use Rated: Cooling	W	15	17	22	28	41	69
Power Use Rated: Heating	W	15	17	22	28	41	69
Size & Weight							
Net Weight	lbs. (kg)	19 (8.5)	19 (8.5)	19 (8.5)	19 (8.5)	31 (14)	31 (14)
Dimensions: Height	Inch	10-1/2	10-1/2	10-1/2	10-1/2	12-5/8	12-5/8
	mm	268	268	268	268	320	320
Width	Inch	33-1/16	33-1/16	33-1/16	33-1/16	39-1/4	39-1/4
	mm	840	840	840	840	998	998
Depth	Inch	8	8	8	8	9	9
	mm	203	203	203	203	228	228
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
Additional Data							
Air Direction: Horizontal		Manual	Manual	Manual	Manual	Auto	Auto
Vertical		Auto	Auto	Auto	Auto	Auto	Auto
Primary Air Filter		Washable	Washable	Washable	Washable	Washable	Washable
Ion Deodorizing Filter		Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
Apple-Catechin Filter		Disposable	Disposable	Disposable	Disposable	Disposable	Disposable
Lineset Size	Inch	suc 3/8	suc 3/8	suc 3/8	suc 1/4 dis 1/2	suc 1/2	suc 5/8

The following combinations are ENERGY STAR® qualifying:

		AOU18RLXFZ with (2) ASU9RLF1 AOU18RLXFZ with (1) ASU7RLF1 + (1) ASU12RLF1 AOU18RLXFZ with (1) ASU9RLF1 + (1) ASU12RLF1 AOU18RLXFZH with (2) ASU9RLF1
		AOU24RLXFZ with (2) ASU7RLF1 + (1) ASU9RLF1 AOU24RLXFZH with (2) ASU7RLF1 + (1) ASU9RLF1
		AOU36RLXFZH with (4) ASU9RLF1

7, 9, 12, 18, 24,000 BTUh SLIM DUCT

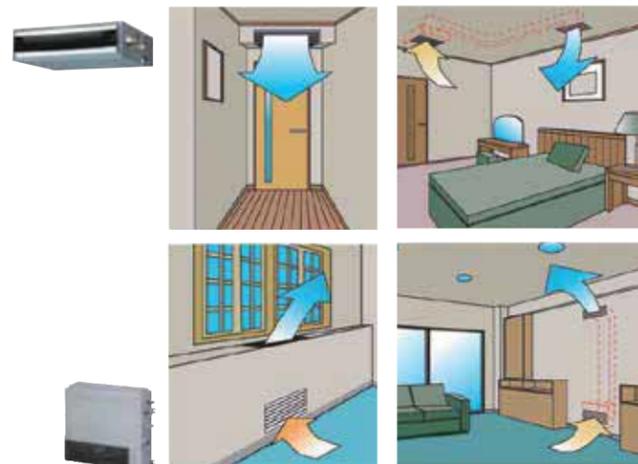
MULTI-ZONE INDOOR



- 1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
- 2 Available only with optional wireless remote control.
- 3 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. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.
- 4 Available only with optional interface kit.
- 5 Available only when used with Flex Zone AOU48RLXFZ1 outdoor unit.

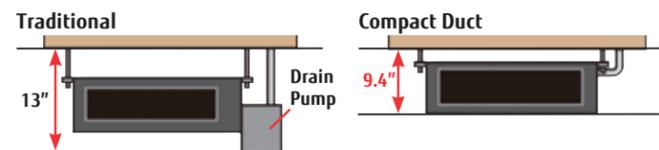
FLEXIBLE INSTALLATION

Horizontal or vertical, though internal drain pump will not operate when the unit is mounted in a vertical configuration.



SLIM DUCT

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



FIELD SUPPLIED FILTERS

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.

	ARU7RLF	ARU9RLF	ARU12RLF	ARU18RLF	ARU24RLF
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" Fiberglass Filter					
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" MERV 8 Pleated 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" MERV 8 Pleated 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

HFI ARU7RLF, ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF

		ARU7RLF	ARU9RLF	ARU12RLF	ARU18RLF	ARU24RLF
Performance		HFI	HFI	HFI	HFI	HFI
Nominal Cooling	BTUh	7,000	9,000	12,000	18,000	24,000
Nominal Heating	BTUh	8,100	10,200	13,500	20,000	27,000
Fan						
Air Circulation: Hi	CFM (m3/h)	323 (550)	353 (600)	383 (650)	554 (940)	783 (1,330)
Medium	CFM (m3/h)	288 (490)	324 (550)	353 (600)	518 (880)	730 (1,240)
Low	CFM (m3/h)	276 (470)	294 (500)	324 (550)	483 (820)	648 (1,100)
Quiet	CFM (m3/h)	259 (440)	265 (450)	283 (480)	442 (750)	607 (1,030)
Fan Speed Stage		4 + Auto	4 + Auto	4 + Auto	4 + Auto	4 + Auto
Sound						
Indoor Sound Level (Clg/Htg): Hi	dB(A)	28/28	28/28	29/29	32/33	33/35
Medium	dB(A)	26/26	27/26	28/28	31/32	32/34
Low	dB(A)	25/25	26/25	27/27	30/31	30/32
Quiet	dB(A)	24/24	25/24	26/24	29/29	29/29
Electrical						
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Static Pressure	W. C.	0 ~ 0.36	0 ~ 0.36	0 ~ 0.36	0 ~ 0.36	0 ~ 0.20
Current Rated: Cooling	Amps	0.30	0.30	0.35	0.44	0.66
Current Rated: Heating	Amps	0.30	0.30	0.35	0.44	0.66
Power Use Rated: Cooling	W	33	49	58	73	111
Power Use Rated: Heating	W	33	49	58	73	111
Size & Weight						
Net Weight	lbs. (kg)	37 (17)	41 (19)	41 (19)	50 (23)	59 (27)
Dimensions: Height	Inch	7-25/32	7-25/32	7-25/32	7-25/32	7-25/32
	mm	198	198	198	198	198
Width	Inch	27-9/16	27-9/16	27-9/16	35-7/16	43-5/16
	mm	700	700	700	900	1,100
Depth	Inch	24-13/32	24-13/32	24-13/32	24-13/32	24-13/32
	mm	620	620	620	620	620
Supply Duct Flange Dimensions: Height	Inch	5-15/16	5-15/16	5-15/16	5-15/16	5-15/16
	mm	151	151	151	151	151
Width	Inch	25-19/32	25-19/32	25-19/32	33-15/32	41-11/32
	mm	650	650	650	850	1,050
Depth	Inch	3/4	3/4	3/4	3/4	3/4
	mm	19	19	19	19	19
Return Duct Dimensions: Height	Inch	6	6	6	6	6
	mm	152	152	152	152	152
Width	Inch	22	22	22	30	37-3/4
	mm	559	559	559	762	959
Height	Inch	3/4 (Flat)	3/4 (Flat)	3/4 (Flat)	3/4 (Flat)	3/4 (Flat)
	mm	19 (Flat)	19 (Flat)	19 (Flat)	19 (Flat)	19 (Flat)
Refrigerant		R410A	R410A	R410A	R410A	R410A
Additional Data						
Air Filter		Washable	Washable	Washable	Washable	Washable
Lineset Size	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

7, 9, 12, 18,000 BTUh COMPACT CASSETTES

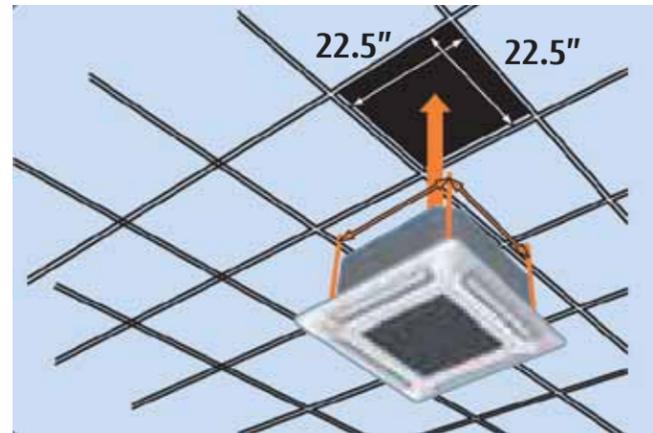
MULTI-ZONE INDOOR



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- 2 Available only with optional wireless remote control.
- 3 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. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.
- 4 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.
- 5 Available only with optional Interface kit. Operation monitoring and On/Off control only.
- 6 Available only when used with Flex Zone AOU48RLXFZ1 outdoor unit.

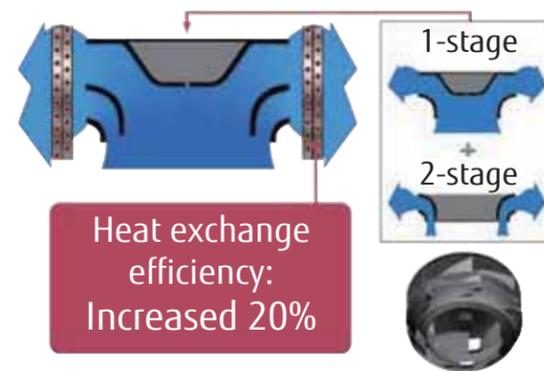
EASY INSTALLATION

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.



Fresh Air Kit**
UTZ-VXAA
Mixes room air then passes through the heat exchanger.



HFI AUU7RLF, AUU9RLF, AUU12RLF, AUU18RLF

		AUU7RLF	AUU9RLF	AUU12RLF	AUU18RLF
Performance		HFI	HFI	HFI	HFI
Nominal Cooling	BTUh	7,000	9,000	12,000	18,000
Nominal Heating	BTUh	8,100	10,200	13,500	20,000
Fan					
Air Circulation: Hi	CFM (m3/h)	318 (540) Clg or Htg	318 (540) Clg or Htg	359 (610) Clg or Htg	441 (750) Clg 471 (800) Htg
Medium	CFM (m3/h)	288 (490) Clg or Htg	288 (490) Clg or Htg	312 (530) Clg or Htg	359 (610) Clg 418 (710) Htg
Low	CFM (m3/h)	259 (440) Clg or Htg	259 (440) Clg or Htg	277 (470) Clg or Htg	306 (520) Clg 353 (600) Htg
Quiet	CFM (m3/h)	230 (390) Clg or Htg	230 (390) Clg or Htg	241 (410) Clg or Htg	241 (410) Clg 265 (450) Htg
Fan Speed Stage		4+auto	4+auto	4+auto	4+auto
Sound					
Indoor Sound Level (Clg/Htg): Hi	dB(A)	33/34	33/34	37/37	42/44
Medium	dB(A)	31/32	31/32	33/33	37/40
Low	dB(A)	29/29	29/29	31/31	33/37
Quiet	dB(A)	27/27	27/27	28/28	29/30
Electrical					
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Current Rated: Cooling	Amps	0.15	0.15	0.19	0.30
Current Rated: Heating	Amps	0.15	0.15	0.19	0.30
Power Use Rated/Max: Cooling	(kw)	18	18	23	39
Power Use Rated/Max: Heating	(kw)	18	18	23	39
Size & Weight					
Net Weight	lbs. (kg)	33 (15)	33 (15)	33 (15)	33 (15)
Dimensions: Height	Inch	9-11/16	9-11/16	9-11/16	9-11/16
	mm	245	245	245	245
Width	Inch	22-7/16	22-7/16	22-7/16	22-7/16
	mm	570	570	570	570
Depth	Inch	22-7/16	22-7/16	22-7/16	22-7/16
	mm	570	570	570	570
Refrigerant		R410A	R410A	R410A	R410A
Additional Data					
Air Direction: Vertical		Automatic	Automatic	Automatic	Automatic
Air Filter		Washable	Washable	Washable	Washable
Front Grille		UTG-CCGF*	UTG-CCGF*	UTG-CCGF*	UTG-CCGF*
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)
Lineset Size	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

* Compact Cassette Grille UTG-CCGF sold separately. Must order one with each compact cassette.

9, 12, 15,000 BTU_h FLOOR MOUNT

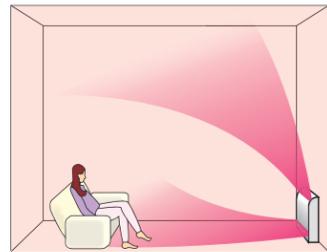
MULTI-ZONE INDOOR



- Cold
 - Ion
 - Sensor
 - I/O 3rd Party
 - Daisy 16
- 1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
 2 Available with optional wired remote control.
 3 Available only with optional Interface kit. Operation monitoring and On/Off control only.

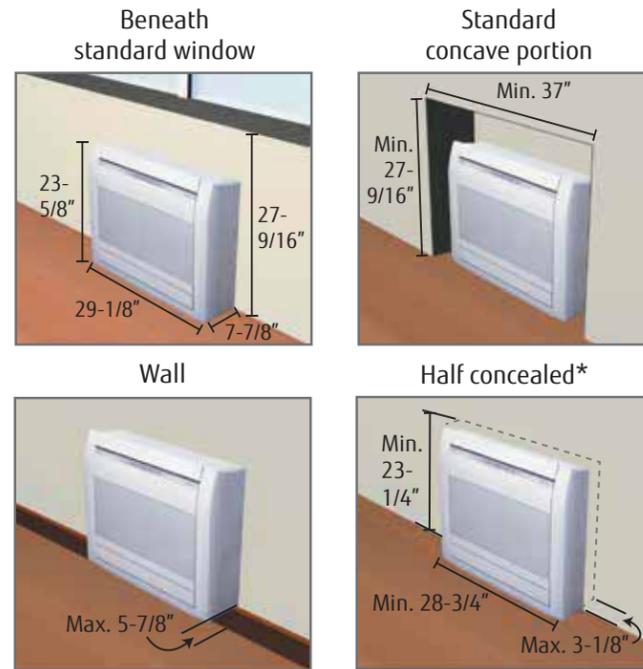
2-FAN AND WIDE AIRFLOW

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.



- Cooling**
 Fig. 1: Upon startup, both top and bottom louvers open.
 Fig. 2: As the room temperature nears the setpoint, only the top louver stays open to help prevent cold air from falling.
- Heating**
 Fig. 1: Upon startup, both top and bottom louvers open.
 Fig. 2: Closer to setpoint, only the top louver stays open to help prevent cold drafts from windows.

FLEXIBLE AND EASY INSTALLATION



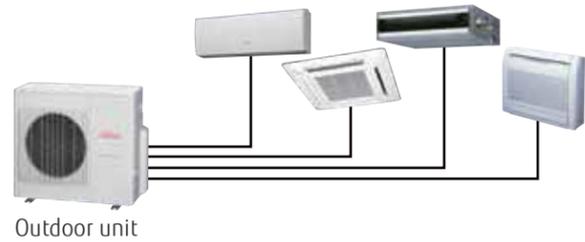
*Field supplied insulation required

HFI AGU9RLF, AGU12RLF, AGU15RLF

		AGU9RLF	AGU12RLF	AGU15RLF
Performance		HFI	HFI	HFI
Nominal Cooling	BTU _h	9,000	12,000	14,200
Nominal Heating	BTU _h	12,000	16,000	18,000
Fan				
Air Circulation: Hi	CFM (m3/h)	312 (530)	353 (600)	383 (650)
Medium	CFM (m3/h)	259 (440)	288 (490)	306 (520)
Low	CFM (m3/h)	212 (360)	224 (380)	235 (400)
Quiet	CFM (m3/h)	159 (270)	159 (270)	159 (270)
Fan Speed Stage		4+Auto	4+Auto	4+Auto
Sound				
Indoor Sound Level (Clg/Htg): Hi	dB(A)	39/39	42/42	44/44
Medium	dB(A)	34/34	36/38	38/39
Low	dB(A)	28/28	30/32	31/33
Quiet	dB(A)	22/22	22/22	22/22
Electrical				
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1
Current Rated: Cooling	Amps	0.15	0.18	0.20
Current Rated: Heating	Amps	0.15	0.18	0.20
Power Use Rated: Cooling	(kw)	16	18	23
Power Use Rated: Heating	(kw)	16	18	23
Size & Weight				
Net Weight	lbs. (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
Additional Data				
Air Direction: Horizontal		Manual	Manual	Manual
Air Direction: Vertical		Auto	Auto	Auto
Apple Catechin Filter		Washable	Washable	Washable
Ion Deodorizing Filter		Yes	Yes	Yes
Connection Method		Yes	Yes	Yes
Lineset Size	Inch	Suc. 3/8 Dis. 1/4	Suc. 3/8 Dis. 1/4	Suc. 1/2 Dis. 1/4

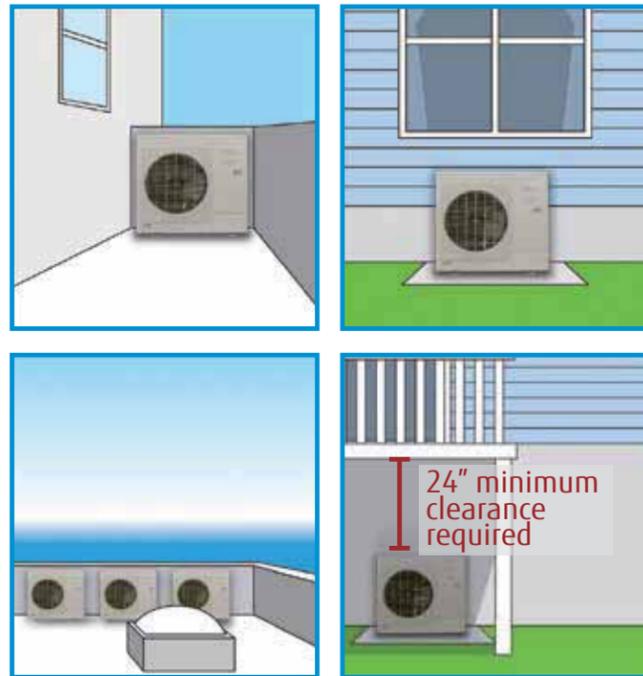


18, 24, 36, 45,000 BTUH MULTI-ZONE OUTDOOR UNITS



COMPACT SIZE

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



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.

DC TWIN ROTARY COMPRESSOR

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



NOMINAL CAPACITIES, SEER AND HSPF RATINGS

Data below is based on AHRI 210/240 non-ducted wall mounted models. Yellow rows represent systems that are ENERGY STAR® qualified.

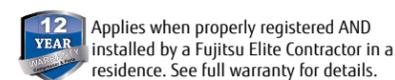


Model	Indoor Unit		Cooling Capacity Btu/h	EER	SEER	Heating Rated Capacity Btu/h		Heating Maximum Capacity Btu/h		COP	HSPF
	Type	Combination				95°F	17°F	17°F	5°F		
AOU18RLXFZ	Non-Ducted	9+9	18,000	12.5	18.0	22,000	13,900	16,300	13,900	3.44	9.3
	Ducted	9+9	18,000	12.1	16.0	22,000	13,900	16,300	13,900	3.52	9.0
	Mixed	9+9	18,000	12.3	17.0	22,000	13,900	16,300	13,900	3.48	9.2
	Specific	ASU7+ASU12 and ASU9+ASU12	18,000	12.5	18.0	22,000	13,900	16,300	13,900	3.67	9.0
AOU24RLXFZ	Non-Ducted	9+7+7	22,000	12.5	18.0	24,000	14,100	19,800	16,300	4.04	9.5
	Ducted	9+7+7	22,000	10.6	15.5	24,000	14,100	19,800	16,300	3.42	9.0
	Mixed	9+7+7	22,000	11.6	16.8	24,000	14,100	19,800	16,300	3.74	9.3
AOU36RLXFZ1	Non-Ducted	9+9+9+9	35,200	10.0	18.0	24,000	22,000	32,500	25,400	3.56	9.4
	Ducted	9+9+9+9	35,200	9.0	16.0	24,000	22,000	32,500	25,400	3.32	8.7
	Mixed	9+9+9+9	35,200	9.5	17.0	24,000	22,000	32,500	25,400	3.44	9.1
AOU45RLXFZ	Non-Ducted	9+9+9+9+9	45,000	10.5	19.7	48,000	28,200	36,900	31,500	3.60	10.3
	Ducted	9+9+9+9+9	45,000	9.8	17.7	46,000	27,800	36,900	31,500	3.46	9.3
	Mixed	9+9+9+9+9	45,000	10.2	18.7	47,000	28,000	36,900	31,500	3.53	9.8

HFI AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ1, AOU45RLXFZ

		AOU18RLXFZ ASU9+ASU9	AOU24RLXFZ ASU9+ASU7+ASU7	AOU36RLXFZ1 ASU9 x 4	AOU45RLXFZ ASU9 x 5
Performance					
		HFI	HFI	HFI	HFI
Connectable Indoor Units		2	2 to 3	2* to 4	2 to 5
Connectable Unit Capacity Class	BTUh	14 to 21,000 ¹	14 to 27,000 ¹	27 to 39,000 ¹	34 to 54,000
Rated Capacity Cooling / Heating	BTUh	18,000 / 22,000	22,000 / 24,000	35,200 / 36,400	45,000 / 48,000
Cooling Operating Range	°F (°C)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)	14~115 (-10~46)
Heating Operating Range	°F (°C)	5~75 (-15~24)	5~75 (-15~24)	5~75 (-15~24)	5~75 (-15~24)
Electrical					
Rated Input Power Clg/Htg	kW	1.44/1.87	1.76/1.73	3.52/3.00	4.28/3.88
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Maximum Total Current	Amps	10.0	13.7	20.3	23.8
Minimum Circuit Ampacity	Amps	12.1	16.7	24.6	28.9
Maximum Circuit Breaker	Amps	15	20	30	30
Fan: Type x Quantity		Propeller x 1	Propeller x 1	Propeller x 1	Propeller x 1
Sound Pressure Level Cooling	dB(A)	49	51	53	53
Sound Pressure Level Heating	dB(A)	49	52	55	55
Lineset Requirements					
Minimum Lineset Length Each	ft(m)	16 (5)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length Each	ft(m)	82 (25)	82 (25)	82 (25)	82 (25)
Minimum Lineset Length Total	ft(m)	49 (15)	49 (15)	66 (20)	49 (15)
Maximum Lineset Length Total	ft(m)	164 (50)	164 (50)	230 (70)	264 (80)
Pre-Charge Length Total	ft(m)	98 (30)	98 (30)	164 (50)	164 (50)
Maximum Lineset Height Difference Btwn Outdoor Unit & Furthest Indoor Unit	ft(m)	49 (15)	49 (15)	49 (15)	49 (15)
Maximum Lineset Height Difference Btwn Indoor Units	ft(m)	33 (10)	33 (10)	33 (10)	33 (10)
Lineset Diameter	Inch	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	Liq. 1/4 x 5 Suc. 1/2 x 2, 3/8 x 3
Size & Weight					
Net Weight	lbs. (kg)	119 (54)	124 (56)	149 (68)	205 (93)
Dimensions: Height	Inch	27-9/16	27-9/16	32-11/16	39-5/16
	mm	700	700	830	998
Width	Inch	35-7/16	35-7/16	35-7/16	38-3/16
	mm	900	900	900	970
Depth	Inch	13	13	13	14-9/16
	mm	330	330	330	370
Refrigerant		R410A	R410A	R410A	R410A

*18+18 is the only 2 indoor unit (ASU, ARU or AAU) combination and requires K9FZ1818
¹See table for allowed combinations within this connectable capacity range.



18, 24, 36,000 BTUh XLTH MULTI-ZONE OUTDOOR UNITS



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. See the full **XLTH** story on page 14.

The base of Fujitsu's XLTH outdoor condensing units.



Base Heater

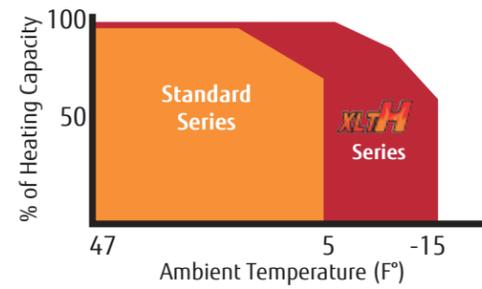
When temperatures reach 36°F, a built-in heater warms the base of the outdoor unit so that condensation doesn't freeze. Without a heater, freezing condensate can cause noise, damage to the fan blade, condenser, and system performance.

Base Drainage Holes

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

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

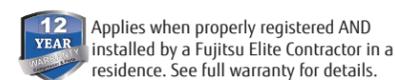
Data below is based on AHRI 210/240 non-ducted wall mounted models. Yellow rows represent systems that are ENERGY STAR® qualified.



Model	Indoor Unit		Cooling Capacity Btu/h 95°F	EER	SEER	Heating Rated Capacity Btu/h		Heating Maximum Capacity Btu/h		COP	HSPF
	Type	Combination				47°F	17°F	17°F	5°F		
AOU18RLXFZH	Non-Ducted	9+9	18,000	13.5	21.5	22,000	14,200	23,600	22,000	3.79	10.3
	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
AOU24RLXFZH	Non-Ducted	9+7+7	22,000	13.3	20.0	25,000	15,400	26,400	25,000	4.04	10.3
	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
AOU36RLXFZH	Non-Ducted	9+9+9+9	35,200	13.0	20.0	36,400	21,400	39,300	36,400	4.00	10.3
	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

HIGH-HEAT AOU18RLXFZH, AOU24RLXFZH, AOU36RLXFZH

		AOU18RLXFZH	AOU24RLXFZH	AOU36RLXFZH
Performance		XLTH	XLTH	XLTH
Connectable Indoor Units		2	2 to 3	2 to 4
Connectable Unit Capacity Class	BTUh	14,000 to 21,000	14,000 to 27,000	27,000 to 39,000
Rated Capacity Cooling/Heating	BTUh	18,000/22,000	22,000/25,000	35,200/36,400
Cooling Operating Range	°F (°C)	14 to 115 (-10 to 46)	14~115 (-10~46)	14~115 (-10~46)
Heating Operating Range	°F (°C)	-15 to 75 (-26 to 24)	-15~75 (-26~24)	-15~75 (-26~24)
Electrical				
Rated Input Power Clg/Htg	kW	1.33/1.70	1.65/1.81	2.70/2.67
Voltage/Frequency/Phase		208-230/60/1	208-230/60/1	208-230/60/1
Maximum Total Current	Amps	16.4	20.8	26.0
Minimum Circuit Ampacity	Amps	19.7	25.1	31.5
Maximum Circuit Breaker	Amps	20	30	40
Fan: Type x Quantity		Propeller x 1	Propeller x 1	Propeller x 1
Sound Pressure Level Cooling	dB(A)	48	50	53
Sound Pressure Level Heating	dB(A)	50	52	55
Lineset Requirements				
Minimum Lineset Length Each	ft(m)	16 (5)	16 (5)	16 (5)
Maximum Lineset Length Each	ft(m)	82 (25)	82 (25)	82 (25)
Minimum Lineset Length Total	ft(m)	49 (15)	49 (15)	49 (15)
Maximum Lineset Length Total	ft(m)	164 (50)	230 (70)	230 (70)
Pre-Charge Length Total	ft(m)	98 (30)	98 (30)	164 (50)
Maximum Lineset Height Difference Btwn Outdoor Unit & Furthest Indoor Unit	ft(m)	49 (15)	49 (15)	49 (15)
Maximum Lineset Height Difference Btwn Indoor Units	ft(m)	33 (10)	33 (10)	33 (10)
Lineset Diameter	Inch	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
Size & Weight				
Net Weight	lbs. (kg)	134 (61)	146 (66)	205 (93)
	Inch	32-11/16	32-11/16	39-5/16
Dimensions: Height	mm	830	830	998
	Inch	35-7/16	35-7/16	38-3/16
Width	mm	900	900	970
	Inch	13	13	14-9/16
Depth	mm	330	330	370
		R410A	R410A	R410A



48,000 BTUh FLEX-ZONE OUTDOOR UNIT

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.

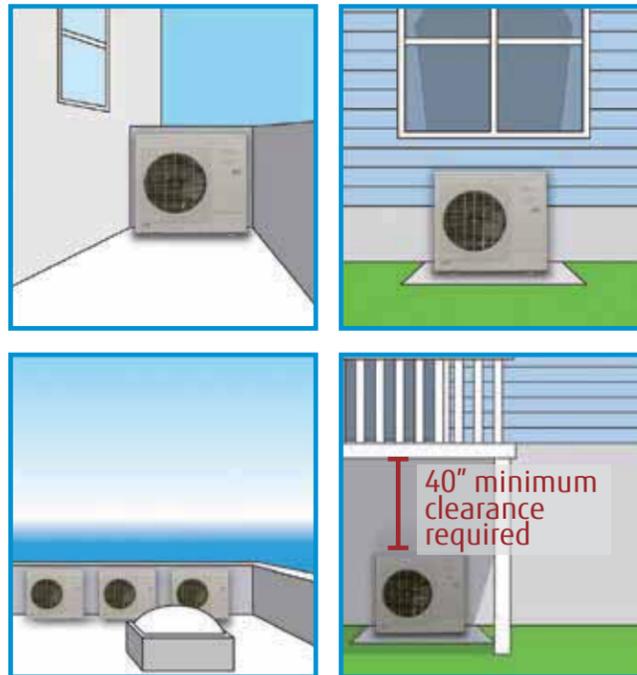
Flex provides the ability to create the right combinations, the right quantity (up to 8-zones), the right style indoor units, and the right capacity. It's the right choice for your home or business.

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 Controller is available which can control up to all 8 indoor units from one keypad.

COMPACT SIZE

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



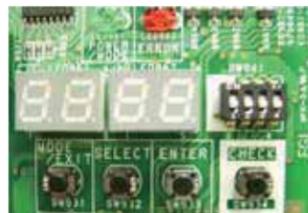
DC TWIN ROTARY COMPRESSOR

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



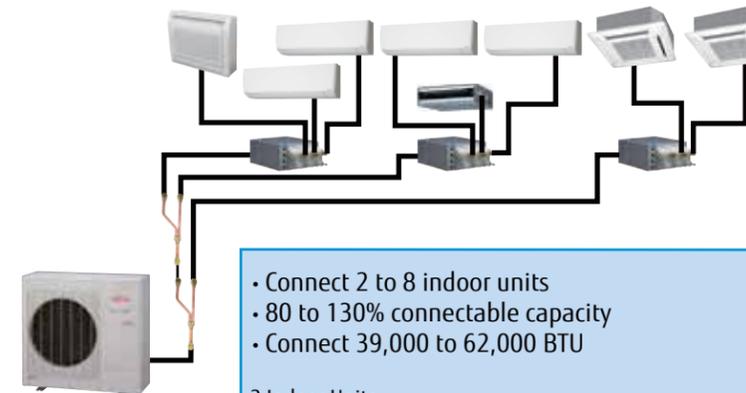
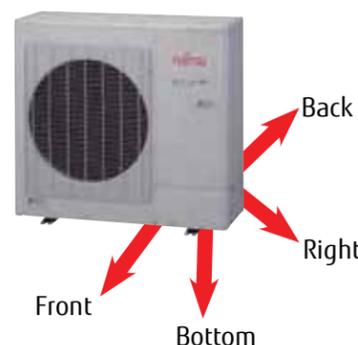
SELF DIAGNOSTIC FEATURE

This printed circuit board provides three modes of diagnostics - setting, monitoring and function mode, as well as error codes. It also provides a pre-commissioning 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.



- Connect 2 to 8 indoor units
 - 80 to 130% connectable capacity
 - Connect 39,000 to 62,000 BTU
- 2 Indoor Units
 18k BTUh + 24 k BTUh = 42k BTUh --OK
 12k BTUh + 24 k BTUh = 36k BTUh --Not Allowed (below 80%)
- 8 Indoor Units
 7k BTUh x 8 units = 56k BTU --OK
 9k BTUh x 8 units = 72k BTU --Not Allowed (over 130%)

	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



AOU48RLXFZ1

Performance		HFI
Connectable Indoor Units		2 - 8
Connectable Unit Capacity Class	BTUh	80~130% Nominal (39,000~62,000)
Connectable Branch Boxes		1 - 3
Nominal Cooling	BTUh	48,000
Max Cooling	BTUh	51,100
Nominal Heating	BTUh	54,000
Low Temp. Heating 17°F	BTUh	40,000
Max Heating	BTUh	57,000
Cooling Operating Range	°F (°C)	23~115 (-5~46)
Heating Operating Range	°F (°C)	5~75 (-15~24)
Electrical		
Rated Input Power Cooling*	kW	5.52 / 5.19 / 5.35
Rated Input Power Heating*	kW	5.02 / 4.89 / 4.96
Voltage/Frequency/Phase		208-230/60/1
Maximum Current: Outdoor Cooling	Amps	24.5 / 23.0 / 23.7
Maximum Current: Outdoor Heating	Amps	22.3 / 21.7 / 22.0
Maximum Circuit Breaker	Amps	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
Lineset Requirements		
Maximum Lineset Length Total	ft(m)	377 (115)
Max. Pipe Length Between Box & Farthest Indoor Unit	ft(m)	49 (15)
Max. Pipe Height Difference Between Outdoor Unit & Branch Box	ft(m)	98 (30)
Maximum Lineset Height Difference Btwn Outdoor Unit & Furthest Indoor Unit	ft(m)	98 (30)
Maximum Lineset Height Difference Btwn Indoor Units	ft(m)	49 (15)
Lineset Diameter	Inch	3/8 (Liq.) 5/8 (Suc.)
Size & Weight		
Net Weight	lbs. (kg)	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

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

BRANCH BOXES

UTP-PU03A, UTP-PU03B



	UTP-PU03A Primary	UTP-PU03B Secondary
Connectable Indoor Unit	1 ~ 3	1 ~ 3
Max. Combination BTUh	62,000 Nom.*	62,000 Nom.*
Min. Combination BTUh	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

	UTP-PU03A Primary	UTP-PU03B Secondary
Dimensions: Gross (Flare to Flare):		
Height x Width x Depth Inch	7-5/8 x 33 x 14-5/8	7-5/8 x 33 x 14-5/8
Height x Width x Depth mm	195 x 838 x 370	195 x 838 x 370
Dimensions: Net (Metal Box Only):		
Height x Width x Depth Inch	7-5/8 x 17 x 14-5/8	7-5/8 x 17 x 14-5/8
Height x Width x Depth mm	195 x 433 x 370	195 x 433 x 370
Net Weight lbs. (kg)	20 (9)	20 (9)
Conn. Pipe Diameter - Main Inch	(3/8 Liq. x 5/8 Suc.)	(3/8 Liq. x 5/8 Suc.)
Conn. Pipe Diameter - Branch Inch	(1/4 Liq. x 1/2 Suc.) 3 pair	(1/4 Liq. x 1/2 Suc.) 3 pair
Connection Method	Flare	Flare
Connection Adapter Included Inch	(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

*As long as the total system nominal capacity is between 39,000 and 62,000 BTUh.

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 can orient the inlet and outlet pipes into a left hand or right hand configuration.

Horizontal Wall Mount

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

Vertical Wall Mount

You cannot reverse the electrical box position when mounting the branch box vertically.

BRANCH BOX OUTDOOR ENCLOSURE

UTP-PX-A

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)

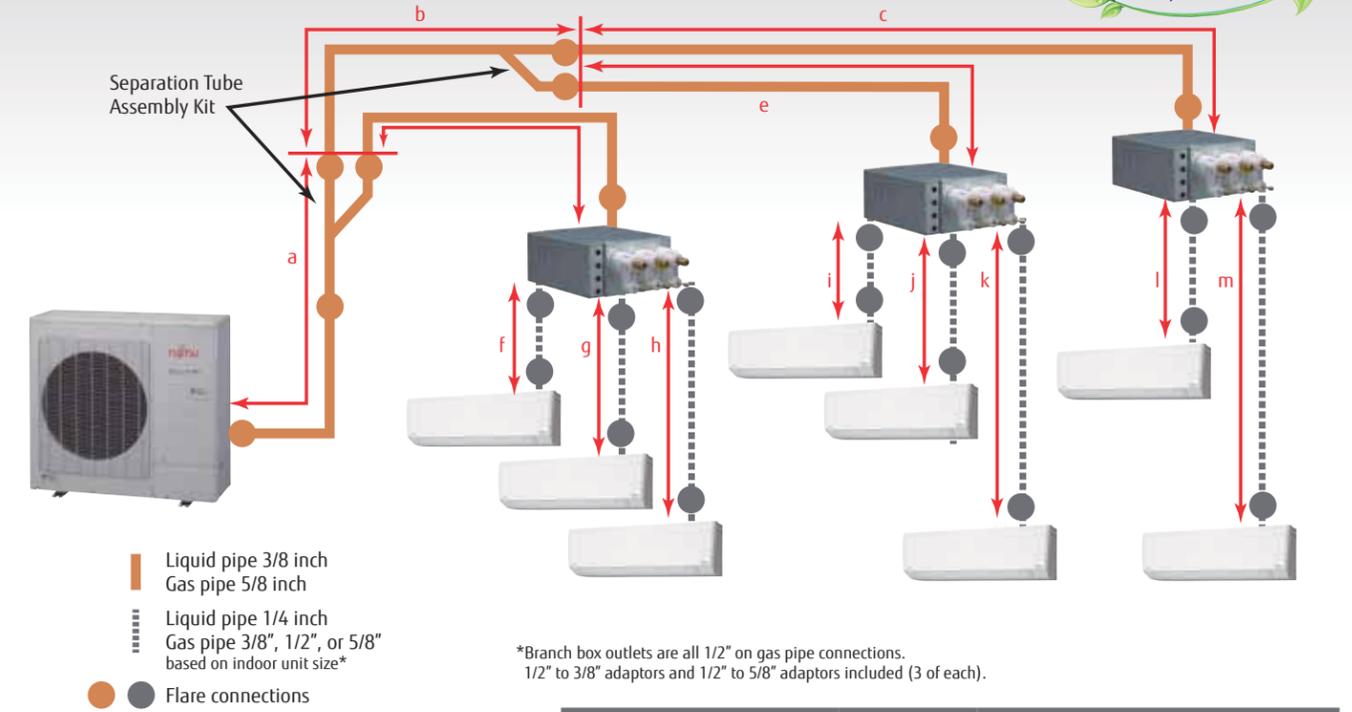
SEPARATION TUBE ASSEMBLY KIT

UTP-SX248A

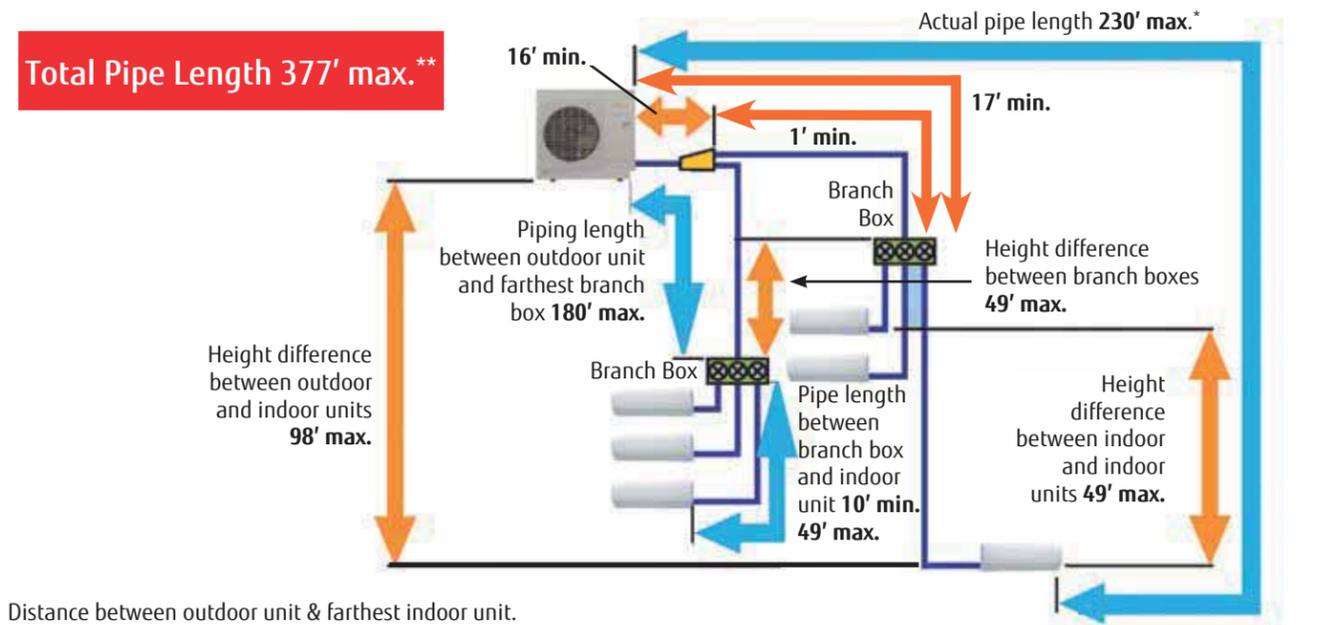
Size	Liquid Inch	Suction Inch
	3/8 x 3/8 x 3/8	5/8 x 5/8 x 5/8



PIPING



Branch Box to Indoor	Pipe Diameter	Liquid pipe	Adaptor	Gas pipe
		7,000 BTUh	1/4"	included
9,000 BTUh	included			
12,000 BTUh	included	1/2"		
18,000 BTUh	n/a			
24,000 BTUh	included			5/8"
Calculate Refrigerant Charge	Pipe Diameter	Location		Additional Refrig.
Factory Charge 7.6 lb (3.45 kg) Unit pre-charged to 0 feet	3/8"	Outdoor to Branch Box		0.624 oz./ft. or 58g/meter
	1/4"	Branch Box to Indoor Unit		0.224 oz./ft. or 21g/meter
(Total length of 3/8" liquid line × 0.624 oz./ft. or 58g/meter) + (Total length of 1/4" liquid line × 0.224 oz./ft. or 21g/meter) + (a+b+c+d+e) × 0.624 oz./ft. or 58g/meter + (f+g+h+i+j+k+l+m) × 0.224 oz./ft. or 21g/meter = additional refrigerant				



* Distance between outdoor unit & farthest indoor unit.
 ** Total liquid pipe or total gas pipe.



BRANCH BOXES



CASSETTE



SLIM DUCT



WALL MOUNT



SEPARATION TUBES



AOU48RLXFZ1



FLOOR MOUNT

WHOLE HOME SOLUTIONS



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

Cool or heat one room, a few rooms or an entire home.

ALLOWABLE COMBINATIONS

Select either an 18, 24, 36, 45 or 48,000 BTUh 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.

CHOOSE AN OUTDOOR UNIT:



BTUh Capacity	7,000	9,000	12,000	15,000	18,000	24,000
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Outdoor Unit	2 INDOOR UNITS	3 INDOOR UNITS	4 INDOOR UNITS	5 INDOOR UNITS	6 INDOOR UNITS
AOU18RLXFZ / AOU18RLXFZH	7 7 14 7 9 16 7 12 19 9 9 18 9 12 21	9 9 12 30 9 9 15 33 9 9 18 36 9 12 12 33 9 12 15 36 9 12 18 39 12 12 12 36 12 12 15 39	9 12 24 45 9 15 15 39 9 15 18 42 9 15 24 48 9 18 18 45 9 18 24 51	7 9 12 18 46 7 9 12 24 52 7 9 15 15 46 7 9 15 18 49 7 9 18 18 52 7 12 12 12 43 7 12 12 15 46 7 12 12 18 49 7 12 15 15 49 7 12 15 18 52 7 15 15 15 52	9 9 9 9 36 9 9 9 12 39 9 9 9 15 42 9 9 9 18 45 9 9 9 24 51 9 9 12 12 42 9 9 12 15 45 9 9 12 18 48 9 9 12 24 54 9 9 15 15 48 9 9 15 18 51 9 9 18 18 54 9 9 18 24 58 9 9 18 30 61 9 9 18 36 64 9 9 18 42 67 9 9 18 48 70 9 9 18 54 74 9 9 18 60 77 9 9 18 66 80 9 9 18 72 84 9 9 18 78 87 9 9 18 84 90 9 9 18 90 93 9 9 18 96 96 9 9 18 102 99 9 9 18 108 102 9 9 18 114 105 9 9 18 120 108 9 9 18 126 111 9 9 18 132 114 9 9 18 138 117 9 9 18 144 120 9 9 18 150 123 9 9 18 156 126 9 9 18 162 129 9 9 18 168 132 9 9 18 174 135 9 9 18 180 138 9 9 18 186 141 9 9 18 192 144 9 9 18 198 147 9 9 18 204 150 9 9 18 210 153 9 9 18 216 156 9 9 18 222 159 9 9 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3900 1998 9 9 18 3906 2001 9 9 18 3912 2004 9 9 18 3918 2007 9 9 18 3924 2010 9 9 18 3930 2

ALLOWABLE COMBINATIONS CONT'D



BTUh Capacity **7,000** **9,000** **12,000** **15,000** **18,000** **24,000**

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

AOU48RLXFZ1, con't.

5 INDOOR UNITS MAX	7	7	9	9	24	56	5 INDOOR UNITS MAX	7	12	12	12	12	55	6 INDOOR UNITS MAX	7	7	7	7	12	12	52	6 INDOOR UNITS MAX	9	9	9	9	9	9	54
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	7	7	9	12	15	50		7	12	12	15	15	61		9	9	9	9	9	15	60								
	7	7	9	12	18	53		7	12	15	15	15	64		9	9	9	9	12	12	60								
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CONTROLS

Wired Remote Control
 UTY-RNNUM
 UTY-RNBYU
 3-Wire
 The wired remote control 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.

Wired Remote Control
 UTY-RVNUM
 3-Wire
 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.

Simple Remote Control
 UTY-RSNUM
 3-Wire
 Suitable when only basic operations are required for hotels, offices and other places where there is frequent arrival and departure of occupants. Remote does not allow any timer settings.

Remote Sensor
 UTY-XSZX
 Wall mounted room temperature sensor for slim duct models. Replaces room temperature sensor in the return when installed while still allowing for temperature correction.

Simple Remote Control
 2-Wire
 UTY-RSRY
 Backlit 2-wire remote with built in temperature sensor. Offers set point adjustment in 1°F increments. (Compatible with System 30RLXEH)

Wired Remote (Touch Panel)
 UTY-RNRU1
 2-Wire
 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)

Wireless Remote Control
 UTY-LNHUM
 For spaces where there is just no place to mount the wired remote or where wireless operation is preferred.

Central Controller
 UTY-DMMUM
 3-Wire
 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-LRHUM
 3-Wire
 For slim duct models. Includes a wireless remote control.

Group Control: With this feature, multiple evaporators can be 'daisy-chained' together on one single remote control, 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

See compatability table, page 13.

IR Wireless Module
 Model: FJ-IR-WIFI-1NA
 Works with IntesisHome® app

Wired Module
 Model: FJ-RC-WIFI-1NA
 Works with IntesisHome® app

SAMPLE WI-FI APP SCREEN DISPLAYS



Wi-Fi Module
 Model: UTY-TFNXZ2
 Works with FGLair® app

ADDITIONAL CONTROLS

Network Converter
 UTY-VTGX
 The Network Converter is used to control and monitor one or more single-zone Halcyon indoor units (max of 16 IDU's per converter) through Airstage VRF Central Controllers.

Thermostat Converter
 UTY-TTRX
 Control Halcyon products¹ using a third party thermostat. Up to 16 indoor units can be connected as a group to one thermostat converter.

[^] Minimum Heat, Sleep Timer functions will be lost when the wired remote control 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 15RSL3/H require accessory interface kit (Part UTY-TWBXF1) in order to connect this device to them.
¹ NOT compatible with models ABU18/24RULX, ABU36RSLX, AOU18/24/36/42RCLX.

For over 40 years,
making the hottest places cool
and the coolest places...
more comfortable.

Halcyon Mini-Splits Are For You If:

- If you want to reduce your utility bills by up to 25%
- Central air quotes give you sticker shock
- You don't want to lose space to ductwork
- You have warm or cold spots in your home or business
- Your window air conditioner's noise prevents you from hearing the television

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