

FUJITSU

Halcyon 



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

FUJITSU GENERAL AMERICA, INC.





# QUIETLY REVOLUTIONIZING ENERGY-EFFICIENT HOME





COMFORT.

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

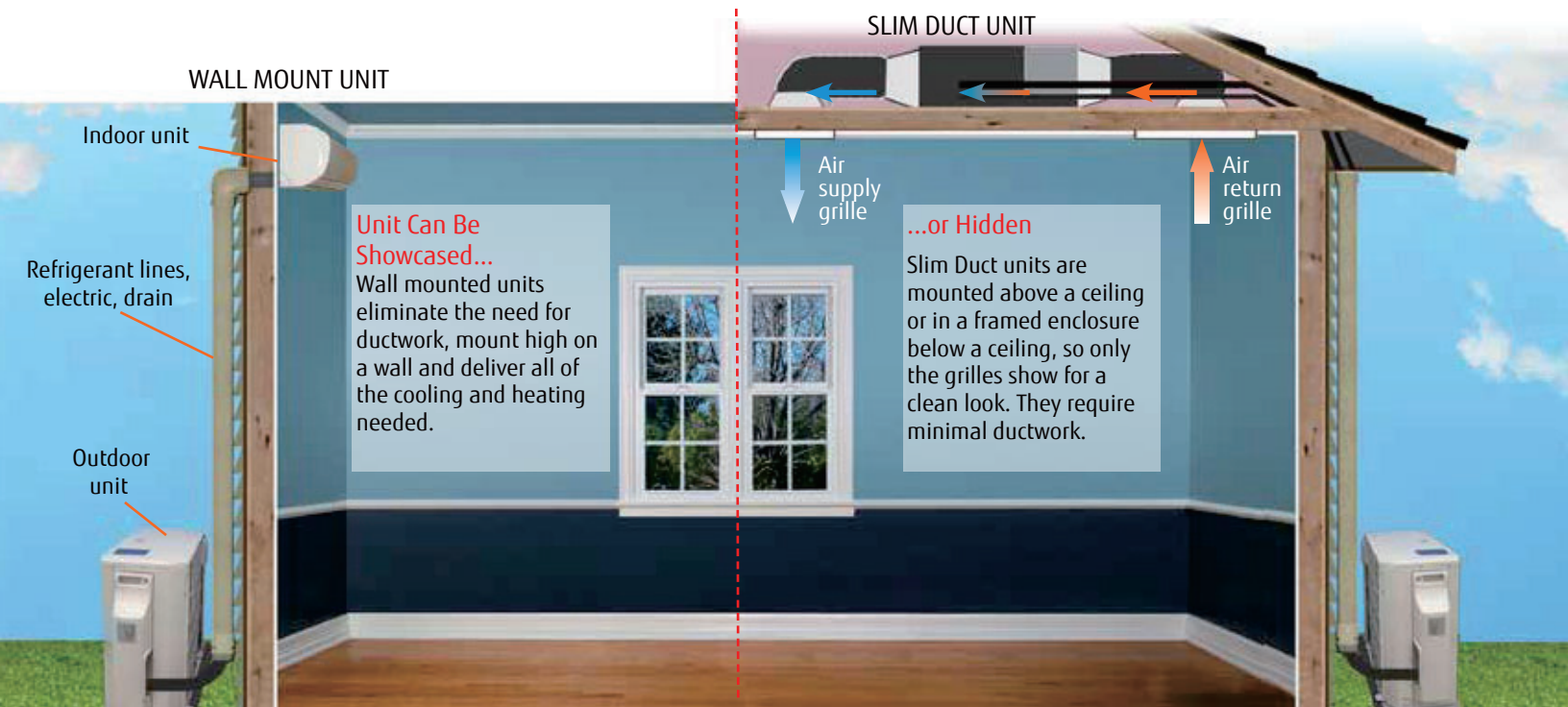
## WHAT IS A MINI-SPLIT?

Halcyon systems eliminate the need for a traditional central system and bulky ductwork by using small tubing that pumps refrigerant directly to discreet wall mounted or concealed units inside. Even more remarkable, this same system works in reverse during the cold season, absorbing heat energy from the outside air and moving it indoors to heat your home. The result? Efficient year-round cooling and heating, zoning flexibility, and optimum comfort in any climate.

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?

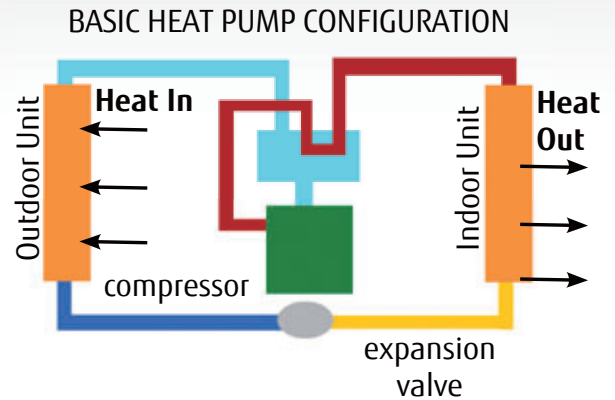
A heat pump uses electricity to pump refrigerant and transfer heat energy from one space to another. In the summer, heat energy from inside is absorbed and released outdoors. In the winter, heat energy is absorbed from the outside air and released inside.





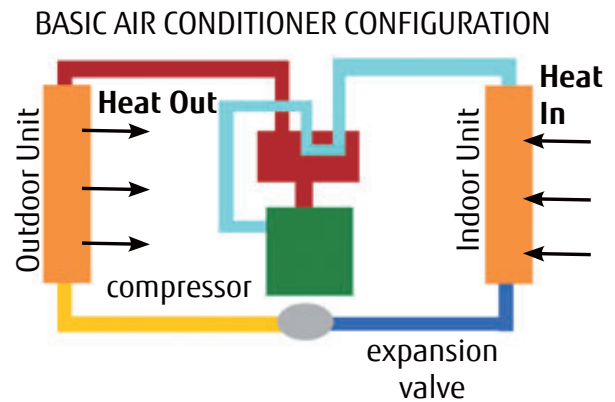
## HEAT PUMPS PROVIDE HEAT WHEN IT IS COLD

Fujitsu heat pumps absorb heat from the outdoors, and release it within your home, even on the coldest of days. We use efficient compressors to pump refrigerant via small copper tubing from outdoors to indoors. Inverter efficiency allows us to transfer heat at a ratio of 3 to 4 times higher compared to electric baseboard heat.

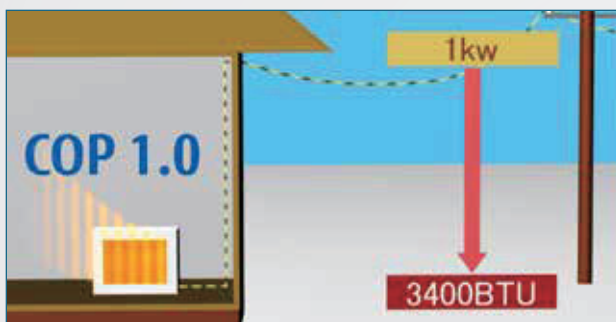


## AIR CONDITIONERS PROVIDE COOLING WHEN IT'S WARM

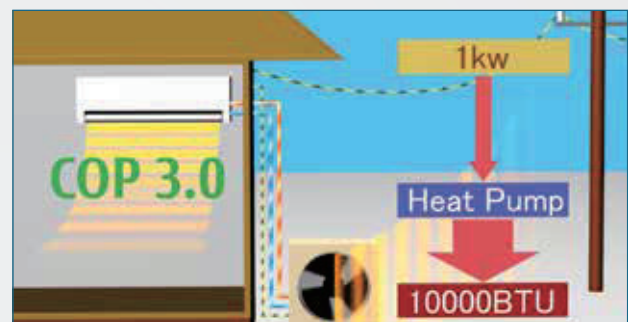
Come spring and summer, simply reverse the process and put the same system into "cooling mode" and transfer heat from indoors to the outside. For many climates, the advanced technology that goes into these units creates a far more cost effective alternative to either gas or oil-fired units for heat,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



## ELECTRIC HEATERS VERSUS HEAT PUMPS



An electric heater converts electricity directly to heat. For every kW of electricity used, 3,400 BTU/h of heat are produced. Ironically, electric heaters are 100% efficient, however the ratio of power input to heat output\* is only 1.0.



Heat pumps are more efficient than many other forms of heating because heat pumps do not actually create heat - they just move it from one place to another. For example, a heat pump with a COP of 3.0 will produce three times the heat output per power input, compared to an electric resistance heater with a COP of 1.0.

COP (Coefficient of Performance) - Rated BTU capacity divided by total kW input.



# INDIVIDUAL ZONING: PERSONALIZED WHOLE-HOME COMFORT

## MULTI-ZONE MINI SPLIT SYSTEMS

Halcyon Systems are some of today's most advanced forms of heating and air conditioning. One outdoor unit can operate up to 5 indoor units simultaneously. Fujitsu's Systems are super quiet as well as highly energy efficient.

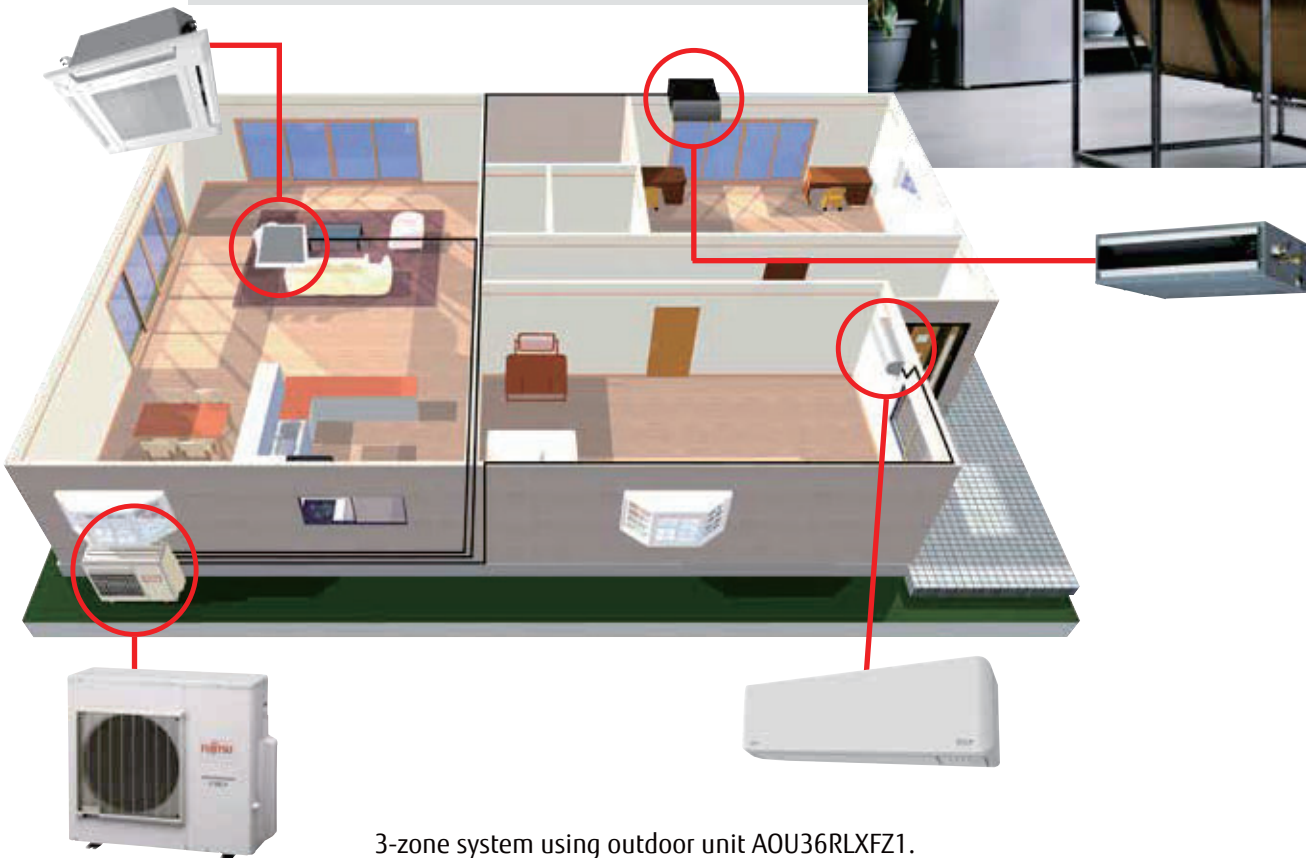


- Each indoor unit can be operated independently via remote control
- Choose from a variety of indoor unit styles
- Provide both heating and cooling (not simultaneously)
- High energy efficiencies
- Quiet operation

### 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



3-zone system using outdoor unit AOU36RLXFZ1.





## SLIM DUCT

Installed horizontally above ceiling or vertically within wall space. They use less ductwork and remain very energy efficient.

- Concealed and out of sight
- Horizontal or Vertical Installation
- Less ducts = higher efficiency

## 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 fan design for improved heat delivery and help those cold feet.
- Designer wireless remote control



## 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 or wireless remote control options
- Powerful turbo fan operation
- Fits into a standard 2' x 2' ceiling grid

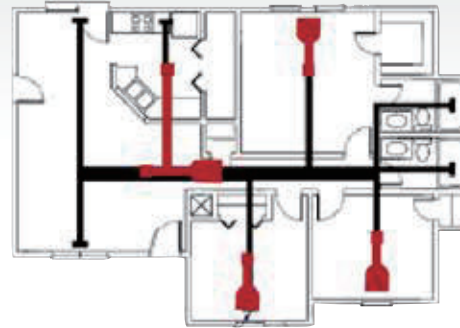


# A SOLUTION FOR ALL OF YOUR COMFORT NEEDS

## DUCTLESS TECHNOLOGY

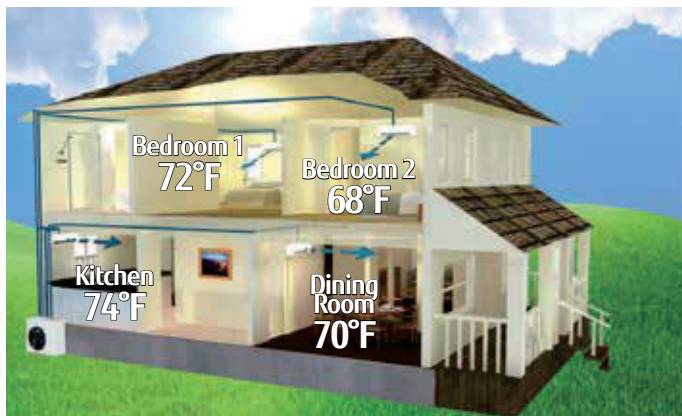
Fujitsu systems are compact, meaning they install easily and won't take up valuable closet space. Since mini-splits have little or no ducting, they forego energy losses typically associated with central forced-air systems. Duct losses in a central air system can easily account for more than 30% of energy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

## CENTRAL AIR SYSTEM VERSUS FUJITSU QUAD ZONE



Thick black lines represent ducts of a central air system.

Red lines represent mini-ducts of a Fujitsu Quad Zone Slim Duct System.



## WHOLE HOME OR BUSINESS COMFORT

Fujitsu's Halcyon systems provide home and business owners just the right amount of heating and cooling needed by installing 2 to 5 indoor units connected to one outdoor unit. Indoor units vary by size and style, each creating 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.



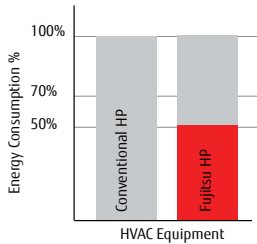
## OTHER APPLICATIONS

The 30RLXEH is specially engineered for spaces which require constant cool temperatures year round, and/or 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 30%. If your average annual utilities are \$4,200, Fujitsu can save you up to \$1,260 annually or \$12,600 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.

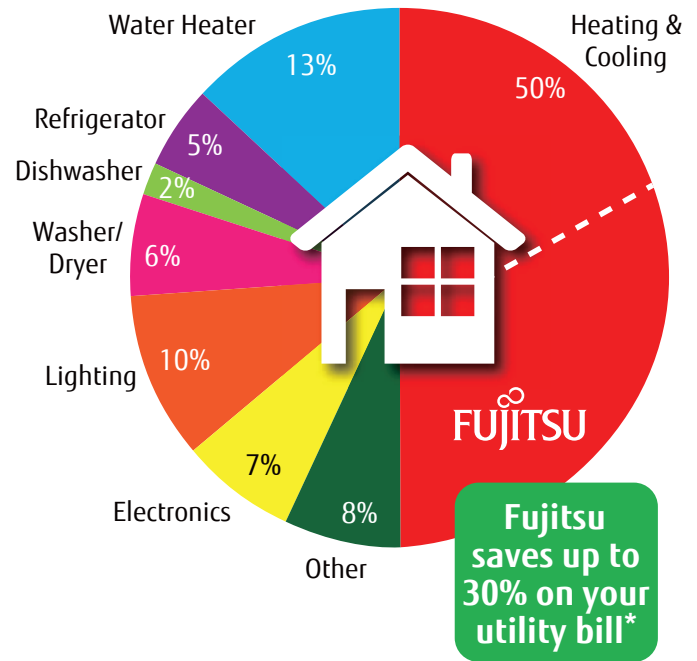
[www.fujitsugeneral.com](http://www.fujitsugeneral.com)

## 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 30% on heating and cooling costs.



Fujitsu has many systems that meet ENERGY STAR and Energy Star Most Efficient ratings in 2022. See the lineup chart on pages 18-19 for a full listing of all ENERGY STAR® qualified systems.



**Fujitsu saves up to 30% on your utility bill\***

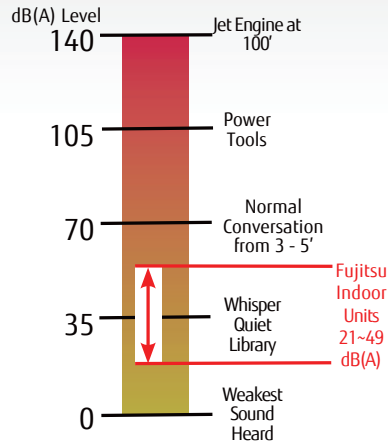




# COMFORT AND CONVENIENCE

## 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.

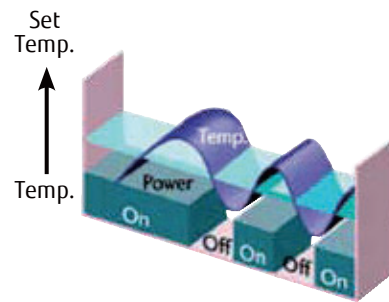


## CONSTANT COMFORT THROUGH INVERTER TECHNOLOGY

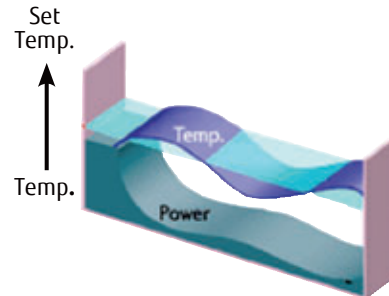
Inverter technology is like cruise control for your heating or cooling system. Compressors only run as fast as they need to handle the cooling or heating demand. They can handle greater extremes in temperature, are smoother and more stable in operation, and precisely maintain the desired temperature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

### Inverter Benefits

- More heat at lower outdoor temperatures
- Lower RPM = quieter operation
- Maintains desired temperature
- Up to 30% more efficient
- Stable temperature



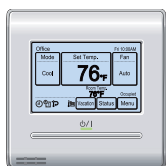
Conventional System



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. Our control systems provide greater convenience for both individual and centralized control with operability suitable for the application.



Optional Wired Remote  
UTY-RNRUZ Series

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
- Hotels and motels
- ATM vestibules
- Historic Buildings



JUST ABOUT ANY  
PLACE THAT  
REQUIRES  
COMFORT!



# FGLair® APP

Control your home's climate anytime, anywhere!

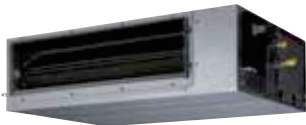
Access control functions remotely from any smartphone or tablet.



WALL UNIT



FLOOR UNIT



MEDIUM STATIC DUCTED



MULTI-POSITION AIR HANDLER



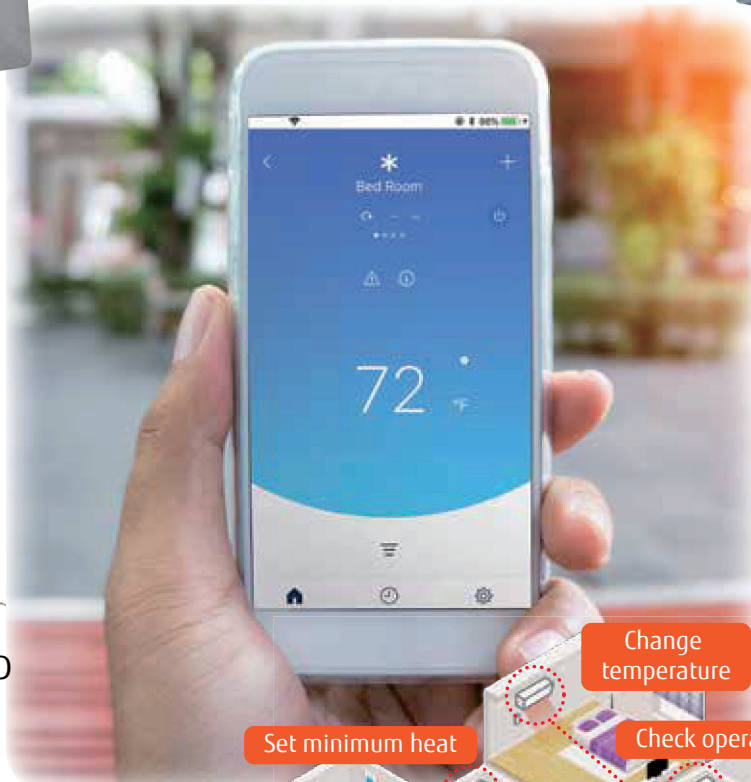
SLIM DUCT



LARGE CASSETTE



CEILING CASSETTE



Set minimum heat

Change temperature

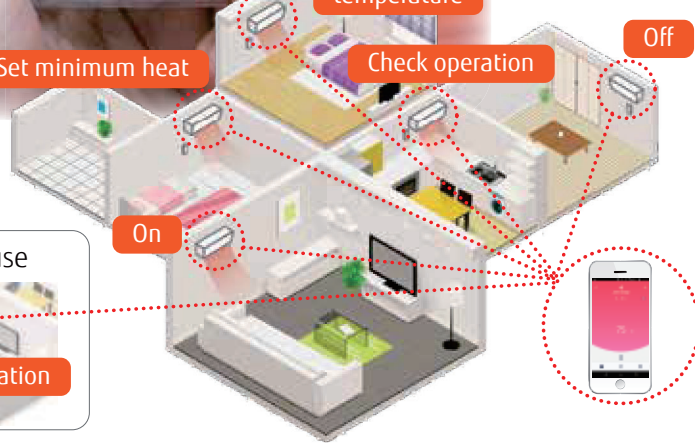
Check operation

Off

On

Second house

Check operation



## USER FRIENDLY INTERFACE

User friendly screen display facilitates easy operation.



Individual AC name display

ON/OFF button

Room temperature\*

Temperature setting

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
- Energy Saving Program
- Error display
- Email notification



\*Not available with UTY-TFNXZ2.

# FUJITSU HALCYON WIFI SELECTION GUIDE

## WIFI CONNECTABLE UNITS & MODULES

FGLAIR®				Intesis AC Cloud Control®		
						
Built In	Wi-Fi Interface Module		Wi-Fi Interface Module	IR Wireless Module	Wired Module	Wired Module
ASUG 09/12/15 LZAS	UTY-TFNXZ2 (Add-on)	UTY-TFSXZ2 (Add-on)	UTY-TFSXF1 (Add-on)	FJ-IR-WIFI-1NA (Add-on)	FJ-RC-WIFI-1NA/1BT (Add-on)	FJ-AC-WIFI-1 (Add-on)

## WHICH APP DOES IT USE?

FGLAIR®		Intesis AC Cloud Control®	
FGLAIR® APP FEATURES:		Intesis AC Cloud Control® APP FEATURES:	
<ul style="list-style-type: none"> <li>• On/Off</li> <li>• Change Mode</li> <li>• Change Temp Setpoint</li> <li>• Fan Speed</li> </ul>	<ul style="list-style-type: none"> <li>• Louver/Swing Position</li> <li>• Weekly Timer</li> <li>• Economy Setting</li> <li>• Emailed Error Alerts</li> </ul>	<ul style="list-style-type: none"> <li>• On/Off</li> <li>• Change Mode</li> <li>• Change Temp Setpoint</li> <li>• Fan Speed</li> <li>• Room Temp (available on FJ-AC-WIFI-1)</li> <li>• Can be used in conjunction with Wired Controls</li> </ul>	<ul style="list-style-type: none"> <li>• Louver/Swing Position</li> <li>• Weekly Timer</li> <li>• Fully Programmable</li> <li>• Alarm Notifications</li> <li>• Voice Control / IFTTT</li> </ul>
NOTE: Room temperature display only available with LZAS1, LZAH1 units and UTY-TFSXZ2 or UTY-TFSXF1.			
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 LZAS	On the wall next to IDU	On the wall next to IDU	Mounds inside unit case	Up to 20' away from IDU	On the wall next to IDU	On the wall next to IDU
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## COMPATIBLE UNITS:

WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:	WALL MOUNTS:
ASUG 09/12/15 LZAS	ASU 18 / 24 RLF	ASU30RLE	ASUG 09 / 12 / 15 LZBS	ASUG 09/12/15 LZAS	ASU 18 / 24RLF <sup>2</sup>	ASUG 09 / 12 / 15 LZBS
	ASU30RLE	CASSETTES:	ASUH 09 / 12 / 18 / 24 LMAS	ASUG 09 / 12 / 15 LZBS	ASU30RLE	ASUH 09 / 12 / 18 / 24 LMAS
	FLOOR MOUNTS:	ACUH 07 / 09 / 12 / 18 LUAS1	ASUH 07 / 09 / 12 / 15 / 18 / 24 / 30 / 36 LPAS	ASUH 09 / 12 / 18 / 24 LMAS	FLOOR MOUNTS:	ASUH 07 / 09 / 12 / 15 / 18 / 24 / 30 / 36 LPAS
	AGU 9 / 12 / 15 RLF	AUU 18 / 23 / 30 / 36 / 42 / 48 RGLX		ASU 18 / 24RLF	AGU 9 / 12 / 15RLF <sup>2</sup>	ASU30RLE
	NOTE: UTY-TFNXZ2 cannot be installed in conjunction with Wired Remote Controls.	DUCTED:		ASU30RLE	UNIVERSAL / CEILING:	CASSETTES:
		ADUH 07 / 09 / 12 / 18 / 24 LUAS1		ASUH 07 / 09 / 12 / 15 / 18 / 24 / 30 / 36 LPAS	ABU18 / 24 RULX	ACUH 07 / 09 / 12 / 18 LUAS1
		ARUH12LUAS		ASU9/12RL2	ABU36RSLX	AUU 18 / 24 / 30 / 36 / 42 / 48RGLX
		ARU18 / 24 / 30 / 36 / 42 / 48 RGLX		CASSETTES:		DUCTED:
	AMUG 24 / 30 / 36 / 48 LMAS		AUU 18 / 24 / 30 / 36 / 42 / 48 RGLX <sup>3</sup>		ARUH12LUAS	ARU 18 / 24 / 30 / 36 / 42 / 48RGLX
			ACUH 07 / 09 / 12 / 18 LUAS1		ADUH 07 / 09 / 12 / 18 / 24 LUAS1	ADUH 07 / 09 / 12 / 18 / 24 LUAS1
			DUCTED:		AMUG 24 / 30 / 36 / 48 LMAS	AMUG 24 / 30 / 36 / 48 LMAS
			ADUH 07 / 09 / 12 / 18 / 24 LUAS1 <sup>4</sup>			
			ARUH12LUAS			
			ARU18 / 24 / 30 / 36 / 42 / 48 RGLX <sup>4</sup>			
			AMUG 24 / 30 / 36 / 48 LMAS <sup>4</sup>			
			FLOOR MOUNTS:			
			AGU 9 / 12 / 15RLF			
			UNIVERSAL / CEILING:			
			ABU 18 / 24RULX			
			ABU36RSLX			

<sup>1</sup>requires UTY-XCBXZ2 <sup>2</sup>requires UTY-WIFI <sup>3</sup>Requires UTY-LBTUC <sup>4</sup>Requires UTY-LBTUM

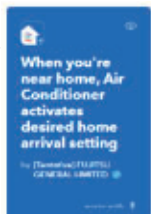
## VOICE CONTROL FOR YOUR FUJITSU HALCYON SYSTEM USING AMAZON ECHO OR GOOGLE HOME

All Fujitsu Halcyon systems can be voice controlled with Amazon Echo or Google Home speakers.



### IFTTT (IF THIS THEN THAT)

Multi system integration through cloud services. Choose from a number of applets to operate your system based on Geo-fencing, Weather conditions, Google Calendar and more.





# EXTRA LOW TEMPERATURE HEATING - XLTH

## NOT ALL HEATING SYSTEMS ARE CREATED EQUAL

Without the right technology, a system won't work when it's needed most.

### PROTECTION FROM WINTERS' COLDEST TEMPERATURES

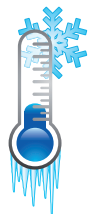
When the temperature drops you don't want to be left in the cold. It's important to choose a heat pump system rated for the climate you live in. If your system doesn't operate in severe conditions, it may not provide enough heat when needed most.

Fujitsu's line of mini-split heat pumps are available 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

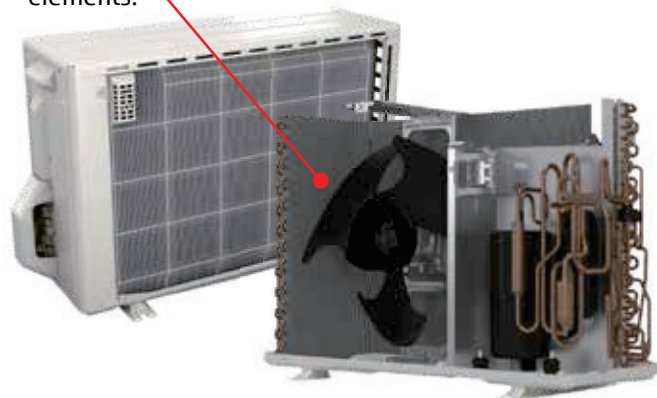
Fujitsu XLTH units feature a high efficiency, multi-layer heat exchanger and high capacity compressor. This gives our XLTH heat pumps the ability to extract heat even at very low outdoor temperatures. All XLTH models offer superior heating performance down to -15°F outdoor temperatures.



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

### METAL FAN GUARD

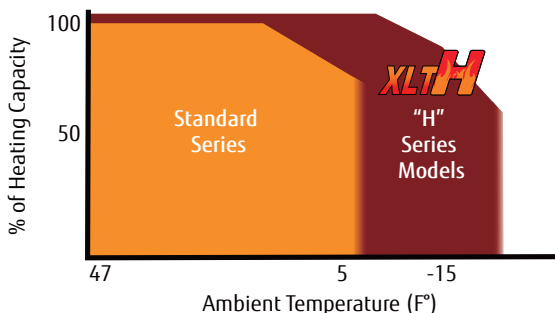
While other models have a plastic fan guard, XLTH models use metal, which is most capable of withstanding the colder elements.



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

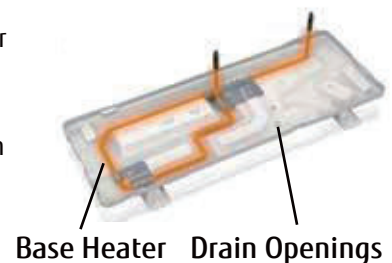
### IMPROVED HEATING CAPACITY

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



### 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 blades, condenser, and reduced 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 a more efficient system.

### HSPF

Heating Seasonal Performance Factor, measures the efficiency of the 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)

When the zone is unoccupied for 20 minutes, the ESP function is enabled to reduce energy consumption until occupied once again. Function is not available 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. Areas with dissimilar conditioning requirements should be independently zoned.



#### Standard Warranty

Fujitsu systems come standard with either a 6 Year Compressor / 2 Year Parts warranty or a 7 Year Compressor / 5 Year Parts warranty.



#### Extended Warranty

Additional info on page 79. See full product warranty for details.

## 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 Catechin 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 Air 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 if the unit needs to be relocated. Eliminates costly refrigerant recovery procedures.



#### Remote Temperature Sensor

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



#### Third Party Device Control

Interlock system with 3rd party device such as humidifier, exhaust fan, door switch...etc.



#### 0°F Low Ambient Cooling

Can operate in cooling mode with outdoor temperatures as low as 0°F. Cooling performance beyond published temperature ratings is not guaranteed.



#### -5°F Low Ambient Cooling

Can operate in cooling mode with outdoor temperatures down to -5°F. Cooling performance beyond published temperature ratings is not guaranteed.

## INSTALLATION



#### Base Pan Heater

Prevents condensate from freezing on the outdoor unit.



#### Blue Fin Coating

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



#### Hydro Fin Coating

Clear hydrophilic treatment added 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.



#### Long Piping Length

Long piping lengths between equipment offers flexible outdoor unit location options.



#### Slender Fit

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




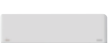































# SINGLE-ZONE AND MULTI-ZONE SYSTEMS LINEUP

SINGLE ZONE WALL MOUNTED MINI-SPLITS							
BTU		9,000	12,000	15,000	18,000		
BEST	Wall Mount Highest Efficiency 	★ 14°F -5°F ASUG09LZAS / AOUG09LZAS1 ASUG09LZBS / AOUG09LZAS1	★ 14°F -5°F ASUG12LZAS / AOUG12LZAS1 ASUG12LZBS / AOUG12LZAS1	★ 14°F -5°F ASUG15LZAS / AOUG15LZAS1 ASUG15LZBS / AOUG15LZAS1			
	<i>xlH</i> Wall Mount Extra Low Temp Heating 	★ 14°F -15°F ASUG09LZAS / AOUG09LZAH1 ASUG09LZBS / AOUG09LZAH1	★ 14°F -15°F ASUG12LZAS / AOUG12LZAH1 ASUG12LZBS / AOUG12LZAH1	★ 14°F -15°F ASUG15LZAS / AOUG15LZAH1 ASUG15LZBS / AOUG15LZAH1			
BETTER	Wall Mount Mid Tier 	★ 14°F 5°F ASUH09LMAS / AOUH09LMAS1	★ 14°F 5°F ASUH12LMAS / AOUH12LMAS1		★ 14°F 5°F ASUH18LMAS / AOUH18LMAS1		
	<i>xlH</i> Wall Mount Extra Low Temp Heating 	★ 14°F -15°F ASUH09LMAS / AOUH09LMAH1	★ 14°F -15°F ASUH12LMAS / AOUH12LMAH1		★ -5°F -15°F ASU18RLF / AOU18RLXFWH		
	STHP Mid Tier 	★ 14°F 5°F ASUH09LMAS / AOUH09LEAS1	★ 14°F 5°F ASUH12LMAS / AOUH09LEAS1				
GOOD	Wall Mount Entry Tier 115V 	15°F 15°F ASU9RL2 / AOU9RL2	15°F 15°F ASU12RL2 / AOU12RL2				
	Wall Mount Entry Tier 	★ 14°F 5°F ASUH09LPAS / AOUH09LPAS1	★ 14°F 5°F ASUH12LPAS / AOUH12LPAS1		★ 14°F 5°F ASUH18LPAS / AOUH18LPAS1		
SINGLE ZONE NON-WALL MOUNTED MINI-SPLITS							
	Floor Mount Highest Efficiency 	★ 14°F -5°F AGU9RLF / AOU9RLFF	★ 14°F -5°F AGU12RLF / AOU12RLFF	★ 14°F -5°F AGU15RLF / AOU15RLFF			
	<i>xlH</i> Floor Mount Extra Low Temp Heating 	★ 14°F -15°F AGU9RLF / AOU9RLFFH	★ 14°F -15°F AGU12RLF / AOU12RLFFH	★ 14°F -15°F AGU15RLF / AOU15RLFFH			
	Compact Cassette 	★ 14°F -5°F ACUH09LUAS1 / AOUH09LUAS1	★ 14°F -5°F ACUH12LUAS1 / AOUH12LUAS1		★ 14°F -5°F ACUH18LUAS1 / AOUH18LUAS1		
	Slim Duct Horizontal/Vertical 	★ 14°F -5°F ADUH09LUAS1 / AOUH09LUAS1	★ 14°F -5°F ADUH12LUAS1 / AOUH12LUAS1		★ 14°F -5°F ADUH18LUAS1 / AOUH18LUAS1		
	Medium-Static Ducted 		★ 14°F -5°F ARUH12LUAS / AOUH12LUAS1		★ -5°F -5°F ARU18RGLX / AOU18RGLX		
	Multi-Position Air Handler 						
	<i>xlH</i> Multi-Position Air Handler 						
	Universal Mount / Ceiling Only 				0°F 14°F ABU18RULX / AOU18RLX		
	Large Cassette Circular Flow 				★ -5°F -5°F AAU18RGLX / AOU18RGLX		
MULTI ZONE DUCTLESS HEAT PUMPS - INDOOR UNITS							
BTU		7,000	9,000	12,000	15,000	18,000	24,000
	Wall Mount (Compact, Large) 	ASUH07LPAS	ASUH09LPAS	ASUH12LPAS	ASUH15LPAS	ASUH18LPAS	ASUH24LPAS
	Slim Duct 	ADUH07LUAS1	ADUH09LUAS1	ADUH12LUAS1		ADUH18LUAS1	ADUH24LUAS1
	Compact Cassette 	ACUH07LUAS1	ACUH09LUAS1	ACUH12LUAS1		ACUH18LUAS1	
	Floor Mount 		AGU9RLF	AGU12RLF	AGU15RLF		

★: Energy Star Qualified ■: Minimum Ambient Cooling Temperature ■: Minimum Ambient Heating Temperature

	24,000	30,000	36,000	42,000	48,000
	★ 14°F 5°F ASUH24LMAS / AOUH24LMAS1				
	★ -5°F -15°F ASU24RLF / AOU24RLXFWH	★ -5°F -15°F ASU30RLE / AOU30RLXEH			
	14°F 5°F ASUH24LPAS / AOUH24LPAS1	14°F 5°F ASUH30LPAS / AOUH30LPAS1	14°F 5°F ASUH36LPAS / AOUH36LPAS1		
	★ -5°F -5°F ARU24RGLX / AOU24RGLX	-5°F -5°F ARU30RGLX / AOU30RGLX	-5°F -5°F ARU36RGLX / AOU36RGLX	-5°F -5°F ARU42RGLX / AOU42RGLX	-5°F -5°F ARU48RGLX / AOU48RGLX
	-5°F -5°F AMUG24LMAS / AOU24RGLX	-5°F -5°F AMUG30LMAS / AOU30RGLX	14°F -5°F AMUG36LMAS / AOU36LMAS1		14°F -5°F AMUG48LMAS / AOU48LMAS1
		-5°F -15°F AMUG30LMAS / AOUH30LUAH1	-5°F -15°F AMUG36LMAS / AOUH36LMAH1		-5°F -15°F AMUG48LMAS / AOUH48LMAH1
	0°F 14°F ABU24RULX / AOU24RLX		0°F 14°F ABU36RSLX / AOU36RLX		
	★ -5°F -5°F AAU24RGLX / AOU24RGLX	-5°F -5°F AAU30RGLX / AOU30RGLX	-5°F -5°F AAU36RGLX / AOU36RGLX	-5°F -5°F AAU42RGLX / AOU42RGLX	-5°F -5°F AAU48RGLX / AOU48RGLX

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)
BEST	 <b>XLTH</b> ★+ 14°F -15°F AOU18RLXFZH	 <b>XLTH</b> ★+ 14°F -15°F AOU24RLXFZH	 <b>XLTH</b> ★+ 14°F -15°F AOU36RLXFZH	
BETTER	 ★+ 14°F 5°F AOU18RLXFZ	 ★+ 14°F 5°F AOU24RLXFZ	 14°F 5°F AOU36RLXFZ1	 14°F 5°F AOU45RLXFZ

+ For ENERGY STAR® qualified combinations, see page 62 and page 64.



# SINGLE-ZONE MINI-SPLIT SYSTEMS

Making the hottest places cool and the coolest places more comfortable

- Extensive lineup from 9,000 to 48,000 BTU
- 32 different systems available in 7 indoor unit styles
- Energy efficient systems with SEER ratings as high as 33.1 and HSPF as high as 14.2
- 29 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 19dB(A) and outdoor units as low as 46dB(A)

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



Handheld remote control included with indoor unit




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 Communication Kit.  
 3 Available only with optional External Input/Output PCB Kit.  
 4 XLTH models only

### ENERGY SAVING PROGRAM (ESP) FUNCTION



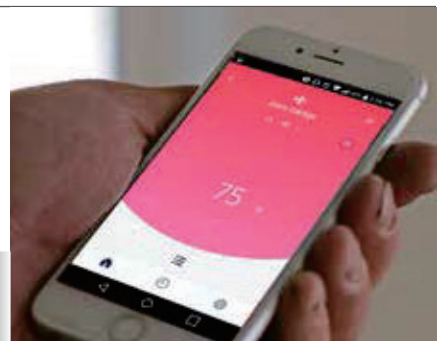
With the ESP function, the ASUG\* LZAS system actively monitors occupancy and adjusts system settings accordingly to achieve optimum energy savings. Once the system detects an occupant, the settings are reverted to the user defined settings in order to maintain comfort.

### HIGH PERFORMANCE HEATING

The LZAS1 model can operate down to -5°F. The LZAH1 can operate efficiently down to -15°F. See the full **XLTH** story on page 14.

### 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 Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Communication Kit.....	UTY-TWRXZ2
External Input and Output PCB.....	UTY-XCSXZ2
24V Thermostat Interface .....	UTY-TTRXZ1
BACnet Gateway* .....	FJ-AC-BAC-1L
Modbus Converter* .....	UTY-VMSX

\* Requires the removal of built-in WLAN module.

# SYSTEMS 09LZAS1, 12LZAS1, 15LZAS1 HIGH HEAT SYSTEMS 09LZAH1, 12LZAH1, 15LZAH1

**UP TO 33.1 SEER**

09LZAS1



12LZAS1



15LZAS1



09LZAH1



12LZAH1



15LZAH1



Performance		09LZAS1		12LZAS1		15LZAS1		09LZAH1		12LZAH1		15LZAH1	
Rated Cooling	BTU/h	9,000		12,000		14,500		9,000		12,000		14,500	
Min.-Max. Cooling	BTU/h	3,100~12,000		3,100~13,600		3,100~18,400		3,100~12,000		3,100~13,600		3,100~18,400	
Rated Heating	BTU/h	12,000		16,000		18,000		12,000		16,000		18,000	
Min.-Max. Heating	BTU/h	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		33.1		29.4		25.3		33.1		29.4		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)	2.5 (1.2)		2.7 (1.3)		4.0 (1.9)		2.5 (1.2)		2.7 (1.3)		4.0 (1.9)	
Max Htg % of Nominal Capacity at +5°F (-15°C)*		171%		138%		140%		171%		138%		140%	
Max Htg % of Nominal Capacity at -5°F (-21°C)*		156%		125%		124%		156%		125%		124%	
Max Htg % of Nominal Capacity at -15°F (-26°C)*		--		--		--		123%		98%		109%	
<b>Fan (Cooling Mode)</b>													
Air Circulation: Hi	CFM (m3/h)	542 (920)		542 (920)		583 (990)		542 (920)		542 (920)		583 (990)	
Medium	CFM (m3/h)	406 (690)		406 (690)		459 (780)		406 (690)		406 (690)		459 (780)	
Low	CFM (m3/h)	312 (530)		312 (530)		312 (530)		312 (530)		312 (530)		312 (530)	
Quiet	CFM (m3/h)	206 (350)		206 (350)		241 (410)		206 (350)		206 (350)		241 (410)	
Fan Speed Stages		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto	
<b>Sound</b>													
Indoor Level (Clg/Htg): Hi	dB(A)	43/43		43/43		45/45		43/43		43/43		45/45	
Medium	dB(A)	37/36		37/36		40/39		37/36		37/36		40/39	
Low	dB(A)	31/31		31/31		32/32		31/31		31/31		32/32	
Quiet	dB(A)	23/23		23/23		26/26		23/23		23/23		26/26	
Outdoor Level Clg/Htg	dB(A)	46/47		47/47		49/50		46/47		47/47		49/50	
<b>Electrical</b>													
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	3.3/10.9		4.7/10.9		5.2/13.4		3.3/11.9		4.7/11.9		5.2/14.4	
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	
<b>Size &amp; Weight</b>													
Net Weight	lbs. (kg)	29 (13)	84 (38)	29 (13)	84 (38)	29 (13)	86 (39)	29 (13)	86 (39)	29 (13)	86 (39)	29 (13)	88 (40)
Dimensions: Height	Inch	11	24-7/8	11	24-7/8	11	24-7/8	11	24-7/8	11	24-7/8	11	24-7/8
	mm	280	632	280	632	280	632	280	632	280	632	280	632
Width	Inch	38-9/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16
	mm	980	799	980	799	980	799	980	799	980	799	980	799
Depth	Inch	9-7/16	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16
	mm	240	290	240	290	240	290	240	290	240	290	240	290
Refrigerant		R410A		R410A		R410A		R410A		R410A		R410A	
<b>Additional Data</b>													
Air Direction: Horizontal		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Vertical		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Air Filter Type		Washable		Washable		Washable		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)		16 (5)		16 (5)		16 (5)	
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	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4
		Indoor ASUG09LZAS	Outdoor AOUG09LZAS1	Indoor ASUG12LZAS	Outdoor AOUG12LZAS1	Indoor ASUG15LZAS	Outdoor AOUG15LZAS1	Indoor ASUG09LZAS	Outdoor AOUG09LZAH1	Indoor ASUG12LZAS	Outdoor AOUG12LZAH1	Indoor ASUG15LZAS	Outdoor AOUG15LZAH1

\* Based on nominal capacity (e.g. 09LZAS1 based on 9,000 BTU/h)

Note: Figures are based on 230 Volts.



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



Handheld remote control included with indoor unit



1												
						2	3	4		2		

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 Communication Kit.  
 3 Available only with optional External Input/Output PCB Kit.  
 4 XLTH models only



## ENERGY SAVING PROGRAM (ESP) FUNCTION

With the ESP function, the ASUG\* LZAS system actively monitors occupancy and adjusts system settings accordingly to achieve optimum energy savings. Once the system detects an occupant, the settings are reverted to the user defined settings in order to maintain comfort.

## HIGH PERFORMANCE HEATING

The LZAS1 model can operate down to -5°F. The LZAH1 can operate efficiently down to -15°F. See the full **XLTH** story on page 14.

## OPTIONAL ACCESSORIES

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Wi-Fi Adapter .....	UTY-TFSXF1
Communication Kit.....	UTY-TWRXZ2
External Input and Output PCB.....	UTY-XCSXZ2
24V Thermostat Interface .....	UTY-TTRXZ1
BACnet Gateway .....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX



# SYSTEMS 09LZAS1B, 12LZAS1B, 15LZAS1B HIGH HEAT SYSTEMS 09LZAH1B, 12LZAH1B, 15LZAH1B

**UP TO 33.1 SEER**

09LZAS1B



12LZAS1B



15LZAS1B



09LZAH1B



12LZAH1B



15LZAH1B



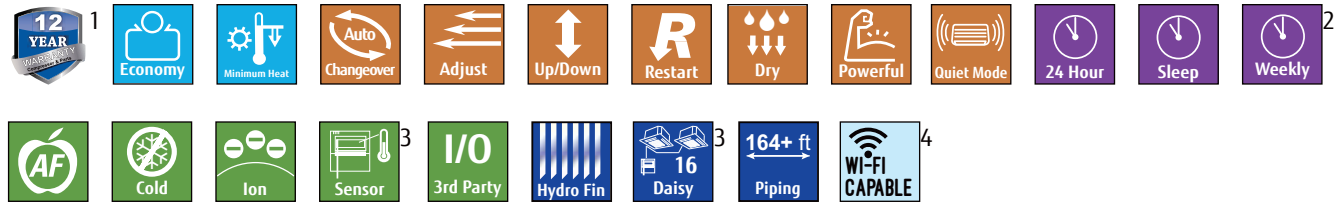
Performance		09LZAS1B		12LZAS1B		15LZAS1B		09LZAH1B		12LZAH1B		15LZAH1B	
Rated Cooling	BTU/h	9,000		12,000		14,500		9,000		12,000		14,500	
Min.-Max. Cooling	BTU/h	3,100~12,000		3,100~13,600		3,100~18,400		3,100~12,000		3,100~13,600		3,100~18,400	
Rated Heating	BTU/h	12,000		16,000		18,000		12,000		16,000		18,000	
Min.-Max. Heating	BTU/h	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		33.1		29.4		25.3		33.1		29.4		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)	2.5 (1.2)		2.7 (1.3)		4.0 (1.9)		2.5 (1.2)		2.7 (1.3)		4.0 (1.9)	
Max Htg % of Nominal Capacity at +5°F (-15°C)*		171%		138%		140%		171%		138%		140%	
Max Htg % of Nominal Capacity at -5°F (-21°C)*		156%		125%		124%		156%		125%		124%	
Max Htg % of Nominal Capacity at -15°F (-26°C)*		--		--		--		123%		98%		109%	
<b>Fan (Cooling Mode)</b>													
Air Circulation: Hi	CFM (m3/h)	542 (920)		542 (920)		583 (990)		542 (920)		542 (920)		583 (990)	
Medium	CFM (m3/h)	406 (690)		406 (690)		459 (780)		406 (690)		406 (690)		459 (780)	
Low	CFM (m3/h)	312 (530)		312 (530)		312 (530)		312 (530)		312 (530)		312 (530)	
Quiet	CFM (m3/h)	206 (350)		206 (350)		241 (410)		206 (350)		206 (350)		241 (410)	
Fan Speed Stages		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto	
<b>Sound</b>													
Indoor Level (Clg/Htg): Hi	dB(A)	43/43		43/43		45/45		43/43		43/43		45/45	
Medium	dB(A)	37/36		37/36		40/39		37/36		37/36		40/39	
Low	dB(A)	31/31		31/31		32/32		31/31		31/31		32/32	
Quiet	dB(A)	23/23		23/23		26/26		23/23		23/23		26/26	
Outdoor Level Clg/Htg	dB(A)	46/47		47/47		49/50		46/47		47/47		49/50	
<b>Electrical</b>													
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	3.3/10.9		4.7/10.9		5.2/13.4		3.3/11.9		4.7/11.9		5.2/14.4	
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	
<b>Size &amp; Weight</b>													
Net Weight	lbs. (kg)	29 (13)	84 (38)	29 (13)	84 (38)	29 (13)	86 (39)	29 (13)	86 (39)	29 (13)	86 (39)	29 (13)	88 (40)
Dimensions: Height	Inch	11	24-7/8	11	24-7/8	11	24-7/8	11	24-7/8	11	24-7/8	11	24-7/8
	mm	280	632	280	632	280	632	280	632	280	632	280	632
Width	Inch	38-9/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16
	mm	980	799	980	799	980	799	980	799	980	799	980	799
Depth	Inch	9-7/16	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16
	mm	240	290	240	290	240	290	240	290	240	290	240	290
Refrigerant		R410A		R410A		R410A		R410A		R410A		R410A	
<b>Additional Data</b>													
Air Direction: Horizontal		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Vertical		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Air Filter Type		Washable		Washable		Washable		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)		16 (5)		16 (5)		16 (5)	
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	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4
		Indoor ASUG09LZBS	Outdoor AOUG09LZAS1	Indoor ASUG12LZBS	Outdoor AOUG12LZAS1	Indoor ASUG15LZBS	Outdoor AOUG15LZAS1	Indoor ASUG09LZBS	Outdoor AOUG09LZAH1	Indoor ASUG12LZBS	Outdoor AOUG12LZAH1	Indoor ASUG15LZBS	Outdoor AOUG15LZAH1

\* Based on nominal capacity (e.g. 09LZAS1 based on 9,000 BTU/h)

Note: Figures are based on 230 Volts.



# 9, 12, 18, 24,000 BTU/h WALL MOUNT HEAT PUMPS

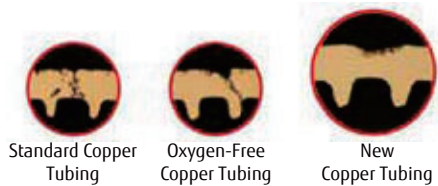


1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.  
 2 Available only with optional wired remote control.

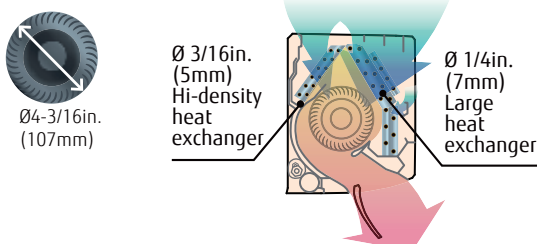
3 Available only with optional wired remote control and optional Communication Kit.  
 4 See page 13 for details.

## PRODUCT FEATURES

- Indoor unit with HCRC (High Corrosion Resistant Copper) coils. HCRC coils have higher resistance to corrosion compared with standard or oxygen free copper coils.



- Compatible with 2-wire wired remote controllers.
- Revamped controls platform, featuring 2 communication (UART) ports allows, simultaneous connection of wired controller, WIFI adapter, and 3rd party devices (such as field supplied auxiliary heater, humidifier...etc.).
- Service monitoring menu through UTY-RNRUZ5 simplifies system and sensor monitoring and troubleshooting.
- High efficiency, Energy Star rated systems with state of the art coil design and increased fan performance.
- Washable filter factory provided with IDU
- Large cross-flow fan -New and improved fan design that delivers high performance with lower energy consumption and whisper-quiet operation with sound pressure levels as low as 19dB(A).



## SMART DEVICE CONTROL (Optional)

UTY-TFSXF1

Wi-Fi compatible systems such as the LMAS series can be controlled from anywhere using the FGLair app on a mobile device, or smart home devices such as Amazon Echo or Google Home.



(FGLair app is available for download on the Apple App store and Google Play Store.)

## OPTIONAL ACCESSORIES

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Wireless LAN Module.....	UTY-TFSXF1
24V Thermostat Interface .....	UTY-TTRXZ1
External Input and Output PCB.....	UTY-XCSXZ1
Dry Contact Wire Kit .....	UTY-XWZXZ5
Communication Kit.....	UTY-TWRXZ2
BACnet Gateway .....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX
Wire Kit .....	UTY-XWZX

# GEN H SYSTEMS 09LMAS1, 12LMAS1, 18LMAS1, 24LMAS1

**UP TO 26.5 SEER**

09LMAS1



12LMAS1



18LMAS1



24LMAS1



Performance		09LMAS1		12LMAS1		18LMAS1		24LMAS1	
Rated Cooling	BTU/h	9,000		12,000		18,000		22,000	
Min.-Max. Cooling	BTU/h	3,400-10,900		3,400-13,300		7,000-20,000		9,100-27,300	
Rated Heating	BTU/h	12,000		14,500		21,600		25,200	
Min.-Max. Heating	BTU/h	2,800-15,000		2,800-19,100		8,000-29,000		8,200-37,000	
SEER		26.5		23.0		21.1		22.5	
HSPF		13.0		12.1		12.5		12.0	
EER		14.3		12.5		13.0		12.5	
Cooling Operating Range	°F (°C)	14~115 (-10~46)		14~115 (-10~46)		14 to 115 (-10 to 46)		14 to 115 (-10 to 46)	
Heating Operating Range	°F (°C)	5~75 (-15~24)		5~75 (-15~24)		5 to 75 (-15 to 24)		5 to 75 (-15 to 24)	
Moisture Removal	Pt./h (l/h)	2.7 (1.3)		3.8 (1.8)		4.0 (1.9)		6.3 (3.0)	
<b>Fan (Cooling Mode)</b>									
Air Circulation: Hi	CFM (m3/h)	453 (770)		453 (770)		577 (980)		647 (1,100)	
Medium	CFM (m3/h)	353 (600)		353 (600)		489 (830)		530 (900)	
Low	CFM (m3/h)	265 (450)		265 (450)		377 (640)		436 (740)	
Quiet	CFM (m3/h)	147 (250)		147 (250)		300 (510)		371 (630)	
Fan Speed Stages		4+Auto		4+Auto		4+Auto		4+Auto	
<b>Sound</b>									
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43		43/43		46/46		46/48	
Medium	dB(A)	36/38		36/38		41/41		42/38	
Low	dB(A)	30/33		30/33		35/35		37/34	
Quiet	dB(A)	19/21		19/21		30/30		33/30	
Outdoor Sound Level Clg/Htg	dB(A)	46/48		49/51		49/50		52/54	
<b>Electrical</b>									
Voltage/Frequency/Phase		208-230/60/1		208-230/60/1		208-230/60/1		208-230/60/1	
Circuit Breaker	Amps	15		15		20		20	
Current Rated/Max: Cooling	Amps	3.1/6.4		4.7/6.9		6.2/13.4		7.8/15.4	
Current Rated/Max: Heating	Amps	4.0/7.9		4.9/9.4		7.0/13.9		8.3/15.9	
Power Use Rated/Max: Cooling	kW	0.63/0.92		0.96/1.27		1.38/ 1.86		1.76/ 2.63	
Power Use Rated/Max: Heating	kW	0.84/1.61		1.03/1.67		1.58/ 2.82		1.87/ 3.53	
<b>Size &amp; Weight</b>									
Net Weight	lbs. (kg)	22 (10)	68 (31)	22 (10)	71 (32)	29 (13.0)	117 (53)	36 (16.5)	117 (53)
Dimensions: Height	Inch	10-5/8	21-5/16	10-5/8	21-5/16	11	31	13-6/16	31
	mm	270	542	270	542	280	788	340	788
Width	Inch	32-13/16	31-7/16	32-13/16	31-7/16	38-9/16	37	45-1/4	37
	mm	834	799	834	799	980	940	1,150	940
Depth	Inch	8-3/4	11-7/16	8-3/4	11-7/16	9-7/16	12-5/8	11	12-5/8
	mm	222	290	222	290	240	320	280	320
Refrigerant		R410A		R410A		R410A		R410A	
<b>Additional Data</b>									
Air Direction: Horizontal		Manual		Manual		Manual		Manual	
Vertical		Automatic		Automatic		Automatic		Automatic	
Air Filter Type		Washable		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)		16 (5)	
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')		164 (50) (pre-charge: 49')		164 (50) (pre-charge: 66')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)		98 (30)		98 (30)	
Lineset Size	Inch	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8
		Indoor ASUH09LMAS	Outdoor AOUH09LMAS1	Indoor ASUH12LMAS	Outdoor AOUH12LMAS1	Indoor ASUH18LMAS	Outdoor AOUH18LMAS1	Indoor ASUH24LMAS	Outdoor AOUH24LMAS1

Note: Figures are based on 230 Volts.



# 9, 12, 18, 24,000 BTU/h WALL MOUNT HEAT PUMPS



Handheld remote control included with indoor unit




1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.  
2 Systems require optional wired remote control.

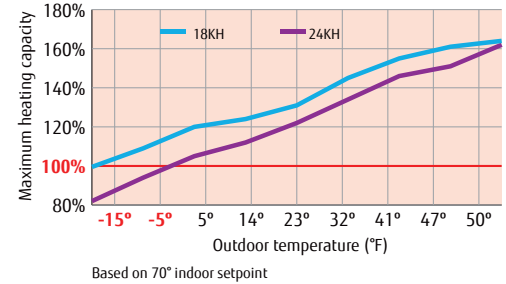
3 Available only with optional wired remote control and optional communication kit (9&12k IDUs).  
4 See page 13 for details.

## 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.

### RLXFWH



## OPTIONAL ACCESSORIES (RLXFWH)

Wired Remote Control .....	UTY-RVNUM
Wired Remote Control .....	UTY-RNNUM
Simple Remote Control.....	UTY-RSNUM
24V Thermostat Interface .....	UTY-TTRXZ1
Modbus Gateway.....	FJ-RC-MBS-1
Dry Contact Wire Kit .....	UTY-XWZX
Wi-Fi Interface Module .....	UTY-TFNXZ2





## OPTIONAL ACCESSORIES (LMAH1)

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Wireless LAN Interface .....	UTY-TFSXF1
24V Thermostat Interface .....	UTY-TTRXZ1
BACnet Gateway.....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX
External Input and Output PCB.....	UTY-XCSXZ2
External Connect Kit.....	UTY-XWZXZ5
Communication Kit.....	UTY-TWRXZ2



# HIGH HEAT SYSTEMS 09LMAH1, 12LMAH1 HIGH HEAT SYSTEMS 18RLXFWH, 24RLXFWH

**UP TO 26.5 SEER**

		09LMAH1		12LMAH1		18RLXFWH		24RLXFWH	
									
Performance		<b>XLH</b>		<b>XLH</b>		<b>XLH</b>		<b>XLH</b>	
Rated Cooling	BTU/h	9000		12000		18,000		22,000	
Min.-Max. Cooling	BTU/h	3,400-11,500		3,400-13,300		7,000-23,000		9,900-27,300	
Rated Heating	BTU/h	12000		16000		21,600		25,200	
Min.-Max. Heating	BTU/h	2,800-16,000		2,800-19,100		7,000-29,000		7,500-36,200	
SEER		26.5		23		20.0		19.5	
HSPF		13		12.5		10.4		10.5	
EER		15.4		12.5		13.3		12.5	
Cooling Operating Range	°F (°C)	14 to 115 (-10 to 46)		14 to 115 (-10 to 46)		-5~115 (-20~46)		-5~115 (-20~46)	
Heating Operating Range	°F (°C)	-15 to 75 (-26 to 24)		-15 to 75 (-26 to 24)		-15~75 (-26~24)		-15~75 (-26~24)	
Moisture Removal	Pt./h (l/h)	2.7 (1.3)		3.8 (1.8)		5.9 (2.8)		6.3 (3.0)	
Max Htg % of Nominal Capacity at +5°F (-15°C)*		105%		89%		120%		105%	
Max Htg % of Nominal Capacity at -5°F (-21°C)*		85%		72%		109%		94%	
Max Htg % of Nominal Capacity at -15°F (-26°C)*		61%		52%		100%		82%	
<b>Fan (Cooling Mode)</b>									
Air Circulation: Hi	CFM (m3/h)	453 (770)		453 (770)		541 (920)		659 (1,120)	
Medium	CFM (m3/h)	353 (600)		353 (600)		435 (740)		530 (900)	
Low	CFM (m3/h)	265 (450)		265 (450)		365 (620)		435 (740)	
Quiet	CFM (m3/h)	147 (250)		147 (250)		306 (520)		365 (620)	
Fan Speed Stages		4+Auto		4+Auto		4+Auto		4+Auto	
<b>Sound</b>									
Indoor Level (Clg/Htg): Hi	dB(A)	43/43		43/43		43/44		49/49	
Medium	dB(A)	36/38		36/38		37/37		42/42	
Low	dB(A)	30/33		30/33		33/33		37/37	
Quiet	dB(A)	19/21		19/21		28/28		33/33	
Outdoor Level Clg/Htg	dB(A)	46/48		49/51		47/50		54/55	
<b>Electrical</b>									
Voltage/Frequency/Phase		208-230/60/1		208-230/60/1		208-230/60/1		208-230/60/1	
Circuit Breaker	Amps	15		15		20		20	
Current Rated/Max: Cooling	Amps	3/6.9		4.7/6.9		6.2/13.5		7.9/15	
Current Rated/Max: Heating	Amps	3.9/9.4		6/9.4		7.8/14.5		8.6/15.5	
Power Use Rated/Max: Cooling	kW	0.585/1.27		0.96/1.27		1.35/3.01		1.76/3.42	
Power Use Rated/Max: Heating	kW	0.79/1.67		1.28/1.67		1.75/3.23		1.94/3.53	
<b>Size &amp; Weight</b>									
Net Weight	lbs. (kg)	22 (10)	73 (33)	22 (10)	73 (33)	31 (14)	135 (61)	31 (14)	135 (61)
Dimensions: Height	Inch	10-5/8	21- 5/16	10-5/8	21- 5/16	12-5/8	32-3/4	12-5/8	32-3/4
	mm	270	542	270	542	320	830	320	830
Width	Inch	32-13/16	31- 7/16	32-13/16	31- 7/16	39-1/4	35-3/8	39-1/4	35-3/8
	mm	834	799	834	799	998	900	998	900
Depth	Inch	8-3/4	11- 7/16	8-3/4	11- 7/16	9	13	9	13
	mm	222	290	222	290	228	330	228	330
Refrigerant		R410A		R410A		R410A		R410A	
<b>Additional Data</b>									
Air Direction: Horizontal		Manual		Manual		Automatic		Automatic	
Vertical		Automatic		Automatic		Automatic		Automatic	
Air Filter Type		Washable		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)		16 (5)	
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')		66 (20) (pre-charge: 49')		164 (50) (pre-charge: 65')		164 (50) (pre-charge: 65')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)		98 (30)		98 (30)	
Lineset Size	Inch	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8
		Indoor ASUH09LMAS	Outdoor AOUH09LMAH1	Indoor ASUH12LMAS	Outdoor AOUH12LMAH1	Indoor ASU18RLF	Outdoor AOU18RLXFWH	Indoor ASU24RLF	Outdoor AOU24RLXFWH

\* Based on model # capacity class (e.g. 09LMAS 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.



# 30,000 BTU/h WALL MOUNT HEAT PUMP



Handheld remote control included with indoor unit

1													2
					2					2		3	

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.

34 See page 13 for details.

The 30RLXEH is specially engineered for applications that require cooling year round, and/or rooms with large heat loads such as classrooms and conference rooms.

## EXTENDED LINESET

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

## LEAD-LAG FUNCTION

Lead-lag function provides a redundant cooling system by pairing two 30RLXEH systems together delivering a unique solution for many applications.<sup>^</sup>

Lead-lag function provides the following operation modes:

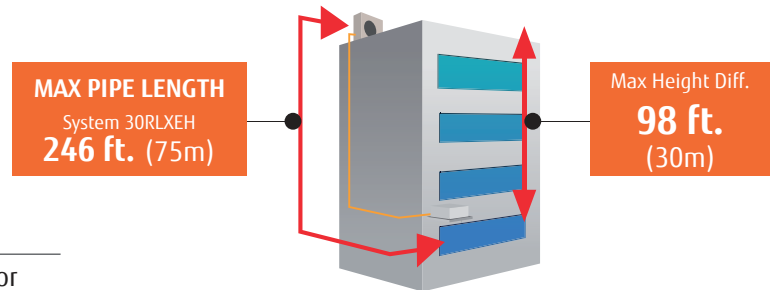
- Alternative Operation – units alternate operation, so neither unit is running at the same time.
- Emergency Operation – if an error occurs on one unit, the second unit will turn on.\*
- Supporting Operation – if the setpoint cannot be reached with one unit alone, the second unit will come on to satisfy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

## LOCK OUT FUNCTION

This feature can be set by the contractor on behalf of the Commercial Property Owner to prevent either Cooling or Heating operation from occurring.

<sup>^</sup> Wired remotes cannot be used when using this feature. This includes UTY-RNRUZ Series, UTY-RVNUM, UTY-RNNUM, UTY-RSNUM.

\* Power loss to one of the two units will disengage the lead lag function.



**MAX PIPE LENGTH**  
System 30RLXEH  
246 ft. (75m)

Max Height Diff.  
**98 ft.**  
(30m)

## HIGH PERFORMANCE HEATING CAPACITY

The RLXEH model can operate efficiently 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-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Wired Remote Control .....	UTY-RVNUM
Wired Remote Control .....	UTY-RNNUM
Simple Remote Control.....	UTY-RSNUM
Wi-Fi Interface Module .....	UTY-TFSXZ2
Wi-Fi Interface Module .....	UTY-TFNXZ2 <sup>^</sup>
Interface Kit .....	UTY-XCSXZ1
Interface Kit Box.....	UTZ-GXXB
Outdoor Unit Input/Output Connector .....	UTY-XWZXZ3

# HIGH-HEAT SYSTEM 30RLXEH

**UP TO 18.7 SEER**

30RLXEH



**XLH**

Performance			
Rated Cooling	BTU/h	30,000	
Min.-Max. Cooling	BTU/h	9,900~32,400	
Rated 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 Nominal Capacity at +5°F (-15°C)*		107%	
Max Htg % of Nominal Capacity at -5°F (-21°C)*		91%	
Max Htg % of Nominal Capacity at -15°F (-26°C)*		76%	
Fan (Cooling Mode)			
Air Circulation: Hi	CFM (m3/h)	812 (1,380)	
Medium	CFM (m3/h)	665 (1,130)	
Low	CFM (m3/h)	536 (910)	
Quiet	CFM (m3/h)	418 (710)	
Fan Speed Stages		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)
Dimensions: Height	Inch	13-3/8	50-13/16
	mm	340	1,290
Width	Inch	45-1/4	35-3/8
	mm	1,150	900
Depth	Inch	11	13
	mm	280	330
Refrigerant		R410A	
Additional Data			
Air Direction: Horizontal		Automatic	
Vertical		Automatic	
Air Filter Type		Washable	
Minimum Lineset Length	Ft (m)	16 (5)	
Maximum Lineset Length	Ft (m)	246 (75) (pre-charge: 65')	
Max. Vertical Diff.	Ft (m)	98 (30)	
Lineset Size	Inch	Gas 5/8	Liq. 3/8

\*Based on model # capacity class (e.g. 09LZAS1 based on 9,000 BTU/h) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data.

Indoor  
ASU30RLE

Outdoor  
AOU30RLXEH

Note: Figures are based on 230 Volts.

# SPLIT TERMINAL HEAT PUMP

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



SPLIT TERMINAL HEAT PUMP



Handheld remote control included with indoor unit

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- 3
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- 
- 3
- 4

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 Communication Kit.  
 4 See page 13 for details.

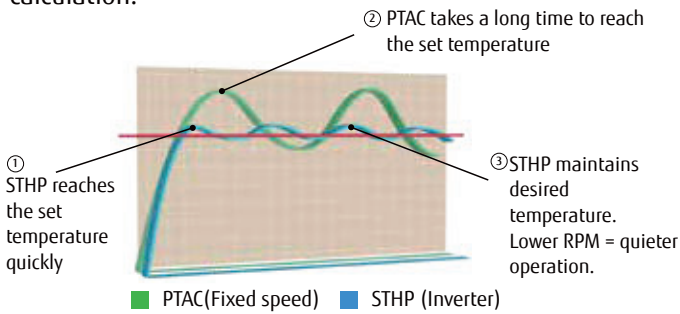
### IDEAL REPLACEMENT FOR PTAC SYSTEMS



### STOP PAYING EXPENSIVE ENERGY BILLS

Significant energy savings. Up to 58% reduction in electricity costs.

PTAC with electric heat used for energy consumption calculation.



### INTERLOCKING WITH EXTERNAL DEVICES

(OPTION)

Capable of being controlled through a field supplied key card switch or other sensors. This makes the STHP ideal for hospitality applications.



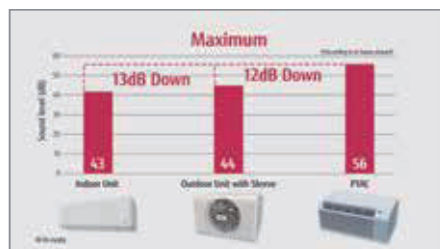
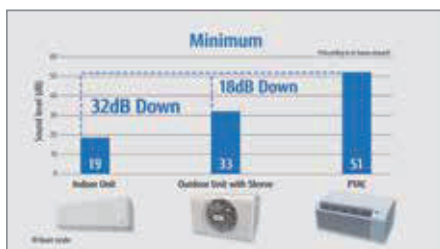
### CONTROL YOUR HOME'S CLIMATE ANYTIME, ANYWHERE!

The optional Wireless LAN adapter (UTY-TFSXF1) enables remote operation via smartphone or tablet with the free FGLair app.



### LOWER SOUND LEVELS

Up to 87% quieter than a PTAC

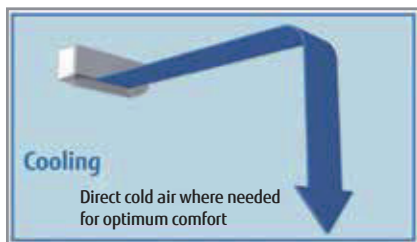




# SYSTEMS 09LEAS1, 12LEAS1

## EXPERIENCE CONSTANT COMFORT

7 louver settings with auto-swing.



## OPTIONAL ACCESSORIES

- Wired Remote Controller .....UTY-RNRUZ Series
- Simple Remote Controller ..... UTY-RSRY / UTY-RHRY
- Wireless LAN Module..... UTY-TFSXF1
- 24V Thermostat Interface ..... UTY-TTRXZ1
- Communication Kit.....UTY-TWRXZ2
- External Input and Output PCB..... UTY-XCSXZ1
- Dry Contact Wire Kit .....UTY-XWZXZ5
- BACnet Gateway ..... FJ-AC-BAC-1L
- Modbus Converter .....UTY-VMSX

Sleeve		UTZ-WUZA-C	UTZ-WUZB-C
Model			
Dimensions (H x W x D)	in (mm)	16-1/16 x 42 x 27-7/16 (408 x 1,067 x 697)	16-1/16 x 42 x 22-11/16 (408 x 1067 x 577)
Weight	lb (kg)	84 (38)	73 (33)
Drain pipe material		Copper	Copper
Tip diameter	in (mm)	Ø 1/2 (Ø 12.7) (O.D.)	Ø 1/2 (Ø 12.7) (O.D.)

**UP TO 21.3 SEER**

09LEAS1



12LEAS1

Performance		09LEAS1	12LEAS1		
Rated Cooling	BTU/h	9,000	12,000		
Min.-Max. Cooling	BTU/h	3,070–9,900	3,070–12,300		
Rated Heating	BTU/h	10,900	12,000		
Min.-Max. Heating	BTU/h	3,070–13,000	3,070–14,700		
SEER		21.3	18.0		
HSPF		11.1	11.0		
EER		12.5	8.5		
Cooling Operating Range	°F (°C)	14 to 115 (-10 to 46)	14 to 115 (-10 to 46)		
Heating Operating Range	°F (°C)	5 to 75 (-15 to 24)	5 to 75 (-15 to 24)		
Moisture Removal	Pt./h (l/h)	2.7 (1.3)	3.8 (1.8)		
Fan (Cooling Mode)					
Air Circulation: Hi	CFM (m3/h)	453 (770)	453 (770)		
Medium	CFM (m3/h)	353 (600)	353 (600)		
Low	CFM (m3/h)	265 (450)	265 (450)		
Quiet	CFM (m3/h)	147 (250)	147 (250)		
Fan Speed Stages		4 + Auto	4 + Auto		
Sound					
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43	43/43		
Medium	dB(A)	36/38	36/38		
Low	dB(A)	30/33	30/33		
Quiet	dB(A)	19/21	19/21		
Outdoor Sound Level Clg/Htg	dB(A)	54/55	54/58		
Electrical					
Voltage/Frequency/Phase		208/230 V ~ 60 Hz	208/230 V ~ 60 Hz		
Circuit Breaker	Amps	15	15		
Current Rated/Max: Cooling	Amps	3.4/8.4	6.4/8.4		
Current Rated/Max: Heating	Amps	3.7/9.4	4.3/9.4		
Power Use Rated/Max: Cooling	kW	0.72/ 1.58	1.41/ 1.58		
Power Use Rated/Max: Heating	kW	0.79/ 1.63	0.92/ 1.63		
Size & Weight					
Net Weight	lbs. (kg)	22 (10)	62 (28)	22 (10)	62 (28)
	Inch	10-5/8	14-5/16	10-5/8	14-5/16
Dimensions: Height	mm	270	363	270	363
	Inch	32-13/16	19-11/16	32-13/16	19-11/16
Width	mm	834	500	834	500
	Inch	8-3/4	19-5/16	8-3/4	19-5/16
Depth	mm	222	490	222	490
	Inch	8-3/4	19-5/16	8-3/4	19-5/16
Refrigerant		R410A	R410A		
Additional Data					
Air Direction: Horizontal		Manual	Manual		
Air Direction: Vertical		Automatic	Automatic		
Air Filter Type		Washable	Washable		
Minimum Lineset Length	Ft (m)	6.5 (2.0)	6.5 (2.0)		
Maximum Lineset Length	Ft (m)	25 (7.5) (pre-charge 25')	25 (7.5) (pre-charge 25')		
Max. Vertical Diff.	Ft (m)	10 (3.0)	10 (3.0)		
Lineset Size	Inch	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4

Note: Figures are based on 230 Volts.

Indoor	Outdoor	Indoor	Outdoor
ASUH09L1MAS	AOUH09LEAS1	ASUH12L1MAS	AOUH12LEAS1

# 9 AND 12,000 BTU/h, 115V, WALL MOUNT HEAT PUMPS



Handheld remote control included with indoor unit



1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in residence. See full warranty for details.  
 2 See page 13 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 when the installation calls for 115 V service or the demand for ultra high efficiency is not present. 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	
<b>Performance</b>					
Rated Cooling	BTU/h	9,000		12,000	
Min.-Max. Cooling	BTU/h	1,700~10,700		3,100~12,500	
Rated Heating	BTU/h	10,000		14,000	
Min.-Max. Heating	BTU/h	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)	
<b>Fan (Cooling Mode)</b>					
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 Stages		4 + Auto		4 + Auto	
<b>Sound</b>					
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	
<b>Electrical</b>					
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	
<b>Size &amp; Weight</b>					
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	
<b>Additional Data</b>					
Air Direction: Horizontal		Manual		Manual	
Vertical		Automatic		Automatic	
Air Filter Type		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	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4
		Indoor ASU9RL2	Outdoor AOU9RL2	Indoor ASU12RL2	Outdoor AOU12RL2

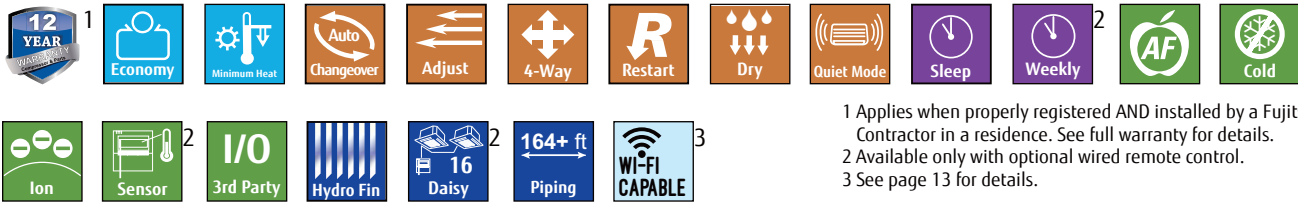
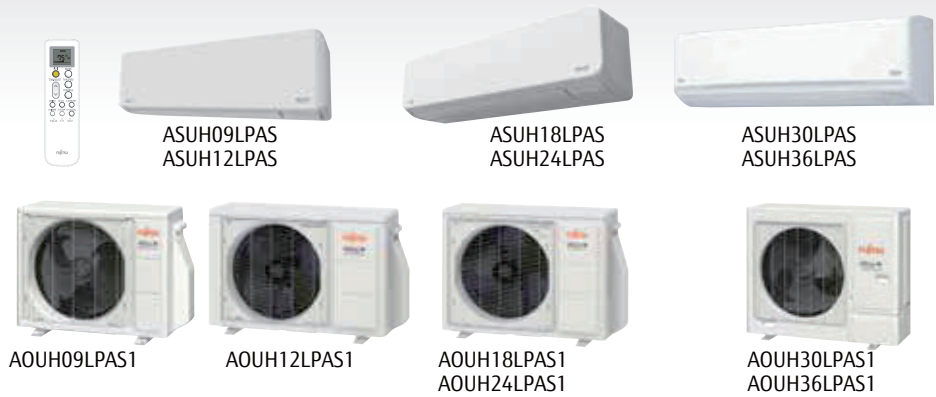
Note: Figures are based on 115 Volts.



# 09, 12, 18, 24, 30, 36,000 BTU/h WALL MOUNT HEAT PUMPS



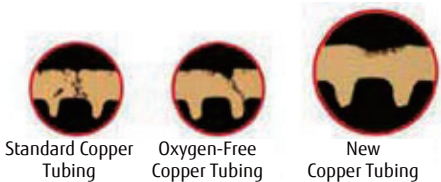
Handheld remote control included with indoor unit



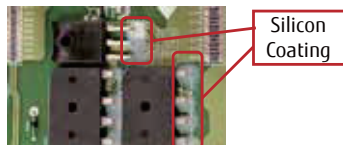
1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.  
 2 Available only with optional wired remote control.  
 3 See page 13 for details.

## PRODUCT FEATURES

- Energy efficient - Up to 20.0 SEER and up to 11.0 HSPF, these systems save money on utility bills and can qualify for rebates!
- Revamped controls platform, featuring 2 communication (UART) ports allowing simultaneous connection of wired controller, WIFI adapter, and 3rd party devices (such as field supplied auxiliary heater, humidifier...etc.)
- Service monitoring menu through UTY-RNRUZ5 simplifies system and sensor monitoring and troubleshooting
- Indoor unit with HCRC (High Corrosion Resistant Copper) coils. HCRC coils have higher resistance to corrosion compared with standard or oxygen free copper coils



- High voltage electronic components are coated with silicon for protection
- Compact outdoor unit and extended line set lengths add flexibility and simplifies the installation process
- Washable filter factory provided with IDU
- Unique fan design provides whisper-quiet operation with sound pressure levels as low as 19dB(A)
- Compatible with 2-wire wired remote controllers
- Lower power consumption enables installers to use smaller circuit size.



## SMART DEVICE CONTROL (Optional)

Manage your comfort anytime and from anywhere using FGLAir.\*

Works with Amazon Alexa and Google Home.\*

\* Wi-Fi module required.



## OPTIONAL ACCESSORIES

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Communication Kit.....	UTY-TWRXZ2
Wireless LAN Module.....	UTY-TFSXF1
External Input and Output PCB.....	UTY-XCSXZ2
Wire Kit (for product) .....	UTY-XWZX
Dry Contact Wire Kit (for PCB) .....	UTY-XWZXZ5
BACnet Gateway.....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX
24V Thermostat Interface .....	UTY-TTRXZ1

# SYSTEMS 09LPAS, 12LPAS, 18LPAS, 24LPAS, 30LPAS, 36LPAS

UP TO 20.0 SEER



		09LPAS1	12LPAS1	18LPAS1	24LPAS1	30LPAS1	36LPAS1						
<b>Performance</b>													
Rated Cooling	BTU/h	9,000	12,000	18,000	24,000	30,000	33,000						
Min.-Max. Cooling	BTU/h	3,300–10,800	3,400–12,700	4,000–19,000	4,000–24,400	9,900–32,400	9,900–34,100						
Rated Heating	BTU/h	10,000	14,000	18,000	24,000	30,000	34,000						
Min.-Max. Heating	BTU/h	2,600–12,500	3,100–17,000	2,800–24,000	2,900–29,000	8,700–33,000	8,700–35,000						
SEER		20.0	20.0	20.0	19.0	18.0	18.0						
HSPF		11.0	11.0	11.0	11.0	11.0	11.0						
EER		12.5	11.0	12.0	9.2	9.8	8.1						
Cooling Operating Range	°F (°C)	14 to 115 (-10 to 46)	14 to 115 (-10 to 46)	14 to 115 (-10 to 46)	14 to 115 (-10 to 46)	14 to 115 (-10 to 46)	14 to 115 (-10 to 46)						
Heating Operating Range	°F (°C)	5 to 75 (-15 to 24)	5 to 75 (-15 to 24)	5 to 75 (-15 to 24)	5 to 75 (-15 to 24)	5 to 75 (-15 to 24)	5 to 75 (-15 to 24)						
Moisture Removal	Pt./h (l/h)	2.7 (1.3)	3.8 (1.8)	4.0 (1.9)	6.3 (3.0)	9.7 (4.6)	10.1 (4.8)						
<b>Fan (Cooling Mode)</b>													
Air Circulation: Hi	CFM (m3/h)	412 (700)	453 (770)	530 (900)	642 (1,090)	812 (1,380)	812 (1,380)						
Medium	CFM (m3/h)	330 (560)	353 (600)	471 (800)	471 (800)	665 (1,130)	665 (1,130)						
Low	CFM (m3/h)	253 (430)	265 (450)	377 (640)	377 (640)	536 (910)	536 (910)						
Quiet	CFM (m3/h)	159 (270)	147 (250)	241 (410)	306 (520)	418 (710)	418 (710)						
Fan Speed Stages		4+Auto	4+Auto	4+Auto	4+Auto	4+Auto	4+Auto						
<b>Sound</b>													
Indoor Sound Level (Clg/Htg): Hi	dB(A)	40/42	43/43	44/43	49/47	50/49	50/49						
Medium	dB(A)	34/36	36/38	42/39	42/43	45/44	45/44						
Low	dB(A)	29/31	30/33	37/34	37/37	38/38	38/38						
Quiet	dB(A)	19/21	19/21	26/28	31/32	32/32	32/32						
Outdoor Sound Level Clg/Htg	dB(A)	47/48	47/48	50/50	53/54	52/54	53/54						
<b>Electrical</b>													
Voltage/Frequency/Phase		208/230 V ~ 60 Hz	208/230 V ~ 60 Hz	208/230 V ~ 60 Hz	208/230 V ~ 60 Hz	208/230 V ~ 60 Hz	208/230 V ~ 60 Hz						
Circuit Breaker	Amps	15	15	15	20	30	30						
Current Rated/Max: Cooling	Amps	3.5/ 6.4	4.9/6.9	6.7/9.9	11.4/14.4	13.4/18.9	17.8/18.9						
Current Rated/Max: Heating	Amps	3.7/ 7.9	4.9/7.9	5.9/11.9	9.1/13.9	10.9/18.9	13.5/18.9						
Power Use Rated/Max: Cooling	kW	0.72/1.18	1.09/1.33	1.50/1.90	2.60/3.20	3.07/4.03	4.08/4.29						
Power Use Rated/Max: Heating	kW	0.74/1.23	1.10/1.61	1.33/2.10	2.07/3.10	2.46/3.15	3.1/3.32						
<b>Size &amp; Weight</b>													
Net Weight	lbs. (kg)	21 (9.5)	51 (23)	22 (10.0)	68 (31)	29 (13)	86 (39)	29 (13)	86 (39)	39 (17.5)	117 (53)	39 (17.5)	117 (53)
Dimensions: Height	Inch	10-5/8	21-5/16	10-5/8	21-5/16	11	24-7/8	11	24-7/8	13-3/8	31	13-3/8	31
	mm	270	541	270	542	280	632	280	632	340	788	340	788
Width	Inch	32-13/16	26-1/8	32-13/16	31-7/16	38-9/16	31-7/16	38-9/16	31-7/16	45-1/4	37	45-1/4	37
	mm	834	663	834	799	980	799	980	799	1,150	940	1,150	940
Depth	Inch	8-3/4	11-7/16	8-3/4	11-7/16	9-7/16	11-7/16	9-7/16	11-7/16	11	12-5/8	11	12-5/8
	mm	222	290	222	290	240	290	240	290	280	320	280	320
Refrigerant		R410A		R410A		R410A		R410A		R410A		R410A	
<b>Additional Data</b>													
Air Direction: Horizontal		Manual		Manual		Manual		Manual		Manual		Manual	
Air Direction: Vertical		Automatic		Automatic		Automatic		Automatic		Automatic		Automatic	
Air Filter Type		Washable		Washable		Washable		Washable		Washable		Washable	
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)		16 (5)		16 (5)		16 (5)	
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')		164 (50) (pre-charge 66')		164 (50) (pre-charge 66')	
Max. Vertical Diff.	Ft (m)	49 (15)		49 (15)		49 (15)		49 (15)		98 (30)		98 (30)	
Lineset Size	Inch	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4	Gas 1/2	Liq. 1/4	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8
		Indoor ASUH09LPAS	Outdoor AOUH09LPAS1	Indoor ASUH12LPAS	Outdoor AOUH12LPAS1	Indoor ASUH18LPAS	Outdoor AOUH18LPAS1	Indoor ASUH24LPAS	Outdoor AOUH24LPAS1	Indoor ASUH30LPAS	Outdoor AOUH30LPAS1	Indoor ASUH36LPAS	Outdoor AOUH36LPAS1

Note: Figures are based on 230 Volts.

# 9, 12, 15,000 BTU/h FLOOR MOUNT HEAT PUMPS



Handheld remote control included with indoor unit



1												2
				2		3		2	4			

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.  
 4 See page 13 for details.

## 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)

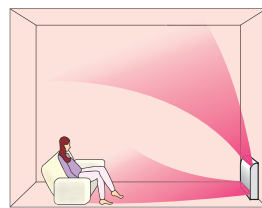
RLFF models can operate down to -5°F. RLFFH models can operate down to -15°F. See the full *XLT H* story on page 14.

## OPTIONAL ACCESSORIES

Wired Remote Control .....	UTY-RVNUM
Wired Remote Controller .....	UTY-RNNUM
Simple Remote Control.....	UTY-RSNUM
24V Thermostat Interface .....	UTY-TTRXZ1
Modbus Gateway.....	FJ-RC-MBS-1
Dry Contact Wire Kit .....	UTY-XWZXZ5
Wi-Fi Interface Module .....	UTY-TFNXZ2

## 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.



Cooling	
Fig. 1	Fig. 2
Heating	
Fig. 1	Fig. 2

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.
- 
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.

## FLEXIBLE AND EASY INSTALLATION

Beneath standard window	Standard concave installation	Low Wall Mount	Partially concealed*

\*Field supplied insulation required



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

**UP TO 26 SEER**



Performance		9RLFF		12RLFF		15RLFF		9RLFFH		12RLFFH		15RLFFH	
Rated 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	
Rated 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 Nominal Capacity at +5°F (-15°C)*		149%		125%		118%		149%		125%		118%	
Max Htg % of Nominal Capacity at -5°F (-21°C)*		130%		111%		107%		130%		111%		107%	
Max Htg % of Nominal Capacity at -15°F (-26°C)*		--		--		--		115%		100%		96%	
<b>Fan (Cooling Mode)</b>													
Air Circulation: Hi	CFM (m3/h)	335 (570)		335 (570)		383 (650)		335 (570)		335 (570)		383 (650)	
Medium	CFM (m3/h)	271 (460)		271 (460)		306 (520)		271 (460)		271 (460)		306 (520)	
Low	CFM (m3/h)	212 (360)		212 (360)		235 (400)		212 (360)		212 (360)		235 (400)	
Quiet	CFM (m3/h)	159 (270)		159 (270)		159 (270)		159 (270)		159 (270)		159 (270)	
Fan Speed Stages		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto	
<b>Sound</b>													
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	
<b>Electrical</b>													
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	0.56		0.97		1.13		0.56		0.97		1.13	
Power Use Rated: Heating	kW	0.88		1.44		1.58		0.88		1.44		1.58	
<b>Size &amp; Weight</b>													
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	23-5/8	24-7/16	23-5/8	24-7/16	23-5/8	24-7/16	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	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	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	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	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	200	290	200	290	200	290
Refrigerant		R410A		R410A		R410A		R410A		R410A		R410A	
<b>Additional Data</b>													
Air Direction: Horizontal		Manual		Manual		Manual		Manual		Manual		Manual	
Vertical		Auto		Auto		Auto		Auto		Auto		Auto	
Air Filter Type		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	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4
		Indoor AGU9RLF	Outdoor AOU9RLFF	Indoor AGU12RLF	Outdoor AOU12RLFF	Indoor AGU15RLF	Outdoor AOU15RLFF	Indoor AGU9RLF	Outdoor AOU9RLFFH	Indoor AGU12RLF	Outdoor AOU12RLFFH	Indoor AGU15RLF	Outdoor AOU15RLFFH

\* Based on nominal capacity (e.g. 09LZAS1 based on 9,000 BTU/h)

Note: Figures are based on 230 Volts.

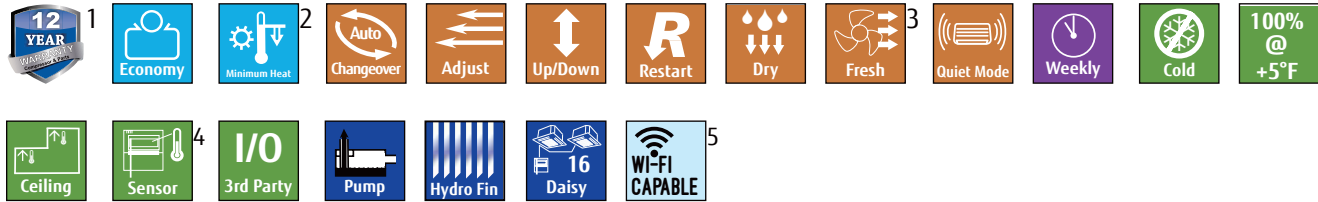
# 9, 12, 18,000 BTU/h COMPACT CASSETTE HEAT PUMPS



Controller not included. Controls sold separately.



Compact Cassette Grille UTG-CCGFGA 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 #UTZ-VXAA. Allows for a 4-inch 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 wired remote control.
- 5 See page 13 for details.

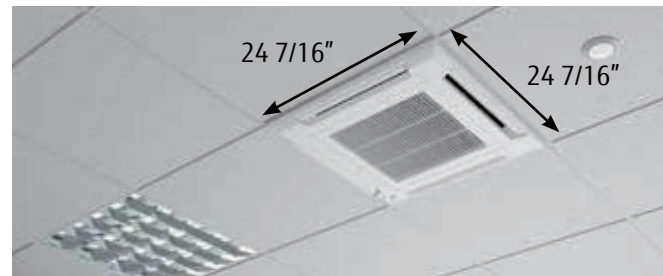
## PRODUCT FEATURES:

- Manage your comfort anytime and from anywhere using FGLAir\*
  - Works with Amazon Alexa and Google Home\*
  - Compatible with 2-wire wired remote controllers
  - Revamped controls platform, featuring 2 communication ports allows, simultaneous connection of wired controller, WIFI adapter, and 3rd party devices (such as field supplied auxiliary heater, humidifier...etc.)
  - Service menu through UTY-RNRUZ5 simplifies system and sensor monitoring and troubleshooting
  - Extended piping length for 18k systems
  - Built-in condensate drain pump
- \* Wi-Fi module required.

## FLEXIBLE INSTALLATION

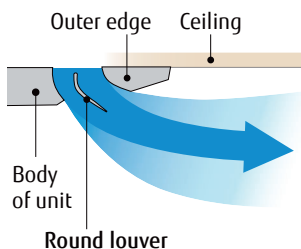
Since this panel fits into a standard ceiling grid, it can be installed in various locations. For example, you can install it next to recessed ceiling light fixtures.

- Compact outdoor unit and extended line set lengths add flexibility and simplifies the installation process.
- Washable filter factory provided with grille (UTG-CCGFGA). Sold separately.
- Unique fan design (laminar wing design) provides whisper-quiet operation with sound pressure levels as low as 28dB(A).



## CONSISTENT AIRFLOW DISTRIBUTION

- The louver design maintains uniform room temperature by evenly spreading air throughout the space.
- Compact and stylish design of the cassette grille fits perfectly into a standard 24" square ceiling grid, without overlapping of adjacent ceiling tiles (Grille sold separately).






The new design spreads airflow evenly and widely across a space, helping to maintain consistent temperatures.

## OPTIONAL ACCESSORIES

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Wireless Remote Controller .....	UTY-LNTU
Wireless LAN Adapter .....	UTY-TFSXZ2
24V Thermostat Interface .....	UTY-TTRXZ1
External Input and Output PCB.....	UTY-XCSX + UTZ-GXEA
BACnet Gateway .....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX
External Switch Controller .....	UTY-TERX
Fresh Air Intake Kit.....	UTZ-VXAA
Air Outlet Shutter Plate .....	UTR-YDZB
Insulation Kit.....	UTZ-KXGC
External Connect Kit.....	UTY-XWZXZG

# SYSTEMS 09LUAS1C, 12LUAS1C, 18LUAS1C

		09LUAS1C			12LUAS1C			18LUAS1C		
										
<b>UP TO 22.5 SEER</b>										
<b>Performance</b>										
Rated Cooling	BTU/h	9,000			12,000			17,100		
Min.-Max. Cooling	BTU/h	3,100-11,000			3,100-13,600			3,100-20,100		
Rated Heating	BTU/h	12,000			16,000			21,600		
Min.-Max. Heating	BTU/h	3,100-16,000			3,100-19,400			3,100-23,900		
SEER		22.5			22.1			20.8		
HSPF		12.5			12.2			11.6		
EER		13.6			12.8			12.5		
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)		
<b>Fan (Cooling Mode)</b>										
Air Circulation: Hi	CFM (m3/h)	318 (540)			359 (610)			435 (740)		
Medium	CFM (m3/h)	288 (490)			312 (530)			341 (580)		
Low	CFM (m3/h)	259 (440)			276 (470)			288 (490)		
Quiet	CFM (m3/h)	230 (390)			241 (410)			241 (410)		
Fan Speed Stages		4+auto			4+auto			4+auto		
<b>Sound</b>										
Indoor Sound Level (Clg/Htg): Hi	dB(A)	33/34			37/37			42/44		
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)	44/48			48/49			52/55		
<b>Electrical</b>										
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	3.3/6.8			4.2/9.8			6.1/11.8		
Current Rated: Heating	Amps	4.6/9.3			6.4/11.3			8.1/14.8		
Power Use Rated/Max: Cooling	kW	0.66/1.05			0.94/2.06			1.37/2.35		
Power Use Rated/Max: Heating	kW	0.93/1.72			1.44/1.79			1.81/2.57		
<b>Size &amp; Weight</b>										
Net Weight	lbs. (kg)	33 (15)		70 (32)	33 (15)		84 (38)	33 (15)		86 (39)
Dimensions: Height	Inch	9-5/8	1-15/16	21-5/16	9-5/8	1-15/16	24-7/8	9-5/8	1-15/16	24-7/8
	mm	245	49	542	245	49	632	245	49	632
Width	Inch	22-7/16	24-7/16	31-7/16	22-7/16	24-7/16	31-7/16	22-7/16	24-7/16	31-7/16
	mm	570	620	799	570	620	799	570	620	799
Depth	Inch	22-7/16	24-7/16	11-7/16	22-7/16	24-7/16	11-7/16	22-7/16	24-7/16	11-7/16
	mm	570	620	290	570	620	290	570	620	290
Refrigerant		R410A			R410A			R410A		
<b>Additional Data</b>										
Air Direction: Vertical		Automatic			Automatic			Automatic		
Air Filter Type		Washable			Washable			Washable		
Minimum Lineset Length	Ft (m)	16 (5)			16 (5)			16 (5)		
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')			66 (20) (pre-charge: 49')			98 (30) (pre-charge: 66')		
Max. Vertical Diff.	Ft (m)	49 (15)			49 (15)			49 (15)		
Lineset Size	Inch	Gas 3/8		Liq. 1/4	Gas 3/8		Liq. 1/4	Gas 1/2		Liq. 1/4
		Indoor ACUH09LUAS1	Grille UTG-CCGFGA	Outdoor AOUH09LUAS1	Indoor ACUH12LUAS1	Grille UTG-CCGFGA	Outdoor AOUH12LUAS1	Indoor ACUH18LUAS1	Grille UTG-CCGFGA	Outdoor AOUH18LUAS1

Note: Figures are based on 230 Volts.



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



Horizontal orientation

Controller not included. Controls sold separately.



Vertical orientation



1		2											
		3	<p>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 See page 13 for details.</p>										

## PRODUCT FEATURES:

- Manage your comfort anytime and from anywhere using FGLAir.\*
- Works with Amazon Alexa and Google Home.\*
- Compatible with 2-wire wired remote controllers.
- Revamped controls platform, featuring 2 communication ports allowing simultaneous connection of wired controller, Wi-Fi adapter, and 3rd party devices (such as field supplied auxiliary heater, humidifier...etc.).
- Service menu through UTY-RNRUZ5 simplifies system and sensor monitoring and troubleshooting.
- Extended piping length for 18k systems.
- Built-in condensate drain pump.

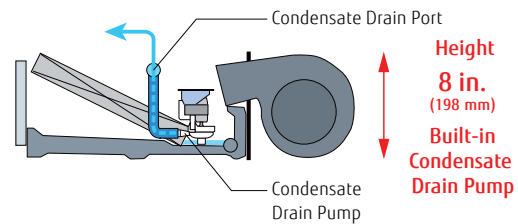
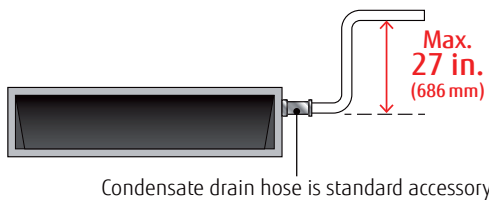
\* Wi-Fi module required.

## FLEXIBLE INSTALLATION

- Compact outdoor unit and extended line set lengths add flexibility and simplifies the installation process.
- Low profile indoor unit measures under 8in in height. Designed to be installed in tight spaces with a clearance as low as 10in.
- Modular indoor unit design allows installation in both horizontal or vertical configurations.
- Field configurable for rear or bottom return. No need for additional accessories.
- Washable filter factory provided with unit.
- High static pressure capability - up to 0.36inWC - allows this unit to cover many ducted applications.

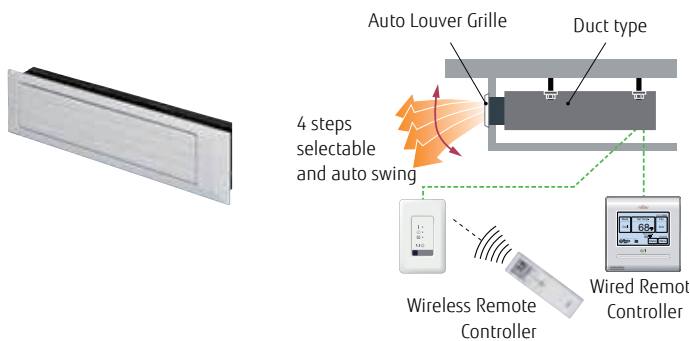
## SLIM DESIGN

The slim design allows installations where ceilings are narrow. Condensate drain hose is a standard accessory.



## AUTO LOUVER GRILLE KIT (OPTION)

Optional Auto Louver grille provides optimum airflow and a clean look that blends with any interior.



## OPTIONAL ACCESSORIES

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Wireless LAN Adapter .....	UTY-TFSXZ2
24V Thermostat Interface .....	UTY-TTRXZ1
IR Receiver Kit & Remote .....	UTY-LBTUM
External Input and Output PCB.....	UTY-XCSX + UTZ-GXEA
BACnet Gateway .....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX
External Switch Controller .....	UTY-TERX
Remote Sensor Kit .....	UTY-XSZX
Auto Louver Grille Kit (09-12k) .....	UTD-GXTA-W
Auto Louver Grille Kit (18k) .....	UTD-GXTB-W
External Connect Kit .....	UTY-XWZXZG

# SYSTEMS 09LUAS1D, 12LUAS1D, 18LUAS1D

**UP TO 20.2 SEER**

09LUAS1D



12LUAS1D



18LUAS1D



Performance																					
Rated Cooling	BTU/h	9,000				12,000				17,100											
Min.-Max. Cooling	BTU/h	3,100-11,000				3,100-13,600				3,100-20,100											
Rated Heating	BTU/h	12,000				16,000				21,600											
Min.-Max. Heating	BTU/h	3,100-16,000				3,100-19,400				3,100-25,600											
SEER		20.0				20.2				20.2											
HSPF		11.7				11.5				11.4											
EER		13.6				12.8				12.5											
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 (Cooling Mode)																					
Air Circulation: Hi	CFM (m3/h)	353 (600)				383 (650)				553 (940)											
Medium	CFM (m3/h)	324 (550)				353 (600)				518 (880)											
Low	CFM (m3/h)	294 (500)				324 (550)				482 (820)											
Quiet	CFM (m3/h)	265 (450)				283 (480)				441 (750)											
Fan Speed Stages		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)	44/48				48/49				52/55											
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	3.3/6.8				4.2/9.8				6.1/11.8											
Current Rated: Heating	Amps	4.5/9.3				5.8/11.3				7.6/14.8											
Power Use Rated/Max: Cooling	kW	0.66/1.05				0.94/2.06				1.37/2.05											
Power Use Rated/Max: Heating	kW	0.89/1.89				1.30/1.79				1.71/2.57											
Size & Weight																					
Net Weight	lbs. (kg)	37 (17)				70 (32)				84 (38)				44 (20)				86 (39)			
Dimensions: Height	Inch	7-13/16	5-15/16	6-7/8	21-5/16	7-13/16	5-15/16	6-7/8	24-7/8	7-13/16	5-15/16	6-7/8	24-7/8	7-13/16	5-15/16	6-7/8	24-7/8				
	mm	198	151	175	542	198	151	175	632	198	151	175	632	198	151	175	632				
Width	Inch	27-9/16	25-9/16	22-5/8	31-7/16	27-9/16	25-9/16	22-5/8	31-7/16	27-9/16	25-9/16	22-5/8	31-7/16	27-9/16	25-9/16	22-5/8	31-7/16				
	mm	700	650	575	799	700	650	575	799	900	850	775	799	900	850	775	799				
Depth	Inch	24-7/16	3/4	3/4 Flat	11-7/16	24-7/16	3/4	3/4 Flat	11-7/16	24-7/16	3/4	3/4 Flat	11-7/16	24-7/16	3/4	3/4 Flat	11-7/16				
	mm	620	19	19 Flat	290	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 Type		Washable				Washable				Washable											
Minimum Lineset Length	Ft (m)	16 (5)				16 (5)				16 (5)											
Maximum Lineset Length	Ft (m)	66 (20) (pre-charge: 49')				66 (20) (pre-charge: 49')				98 (30) (pre-charge: 66')											
Max. Vertical Diff.	Ft (m)	49 (15)				49 (15)				49 (15)											
Lineset Size	Inch	Gas 3/8			Liq. 1/4	Gas 3/8			Liq. 1/4	Gas 1/2			Liq. 1/4								
		Indoor ADUH09LUAS1	SUPPLY DUCT FLANGE	RETURN DUCT	Outdoor AOUH09LUAS1	Indoor ADUH12LUAS1	SUPPLY DUCT FLANGE	RETURN DUCT	Outdoor AOUH12LUAS1	Indoor ADUH18LUAS1	SUPPLY DUCT FLANGE	RETURN DUCT	Outdoor AOUH18LUAS1								

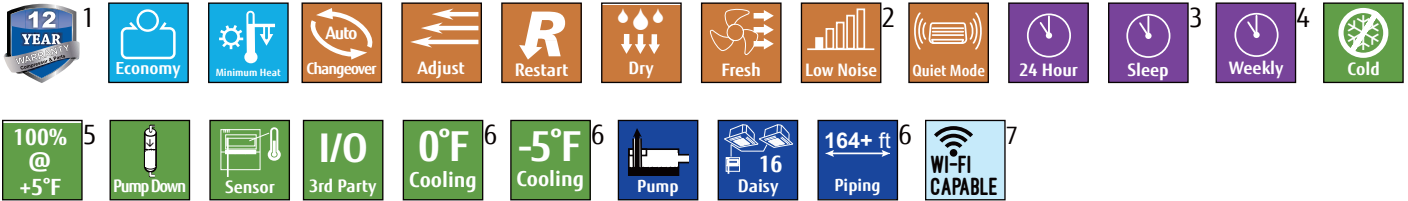
Note: Figures are based on 230 Volts.

# INFINITE COMFORT SERIES 12, 18, 24, 30, 36, 42, 48,000 BTU/h MEDIUM STATIC DUCTED HEAT PUMPS

Controller not included. Controls sold separately.



ARUH12LUAS ARU18/24/30RGLX ARU36/42/48RGLX AOUH12LUAS1 AOU18/24/30/36RGLX AOU42/48RGLX



1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.  
 2 42, 48,000 BTU/h systems only  
 3 Available only with optional wireless remote control.


4 Available only with optional wired remote control.  
 5 12,000 BTU system only  
 6 18, 24, 30, 36, 42, 48,000 BTU/h systems only.  
 7 See page 13 for details.

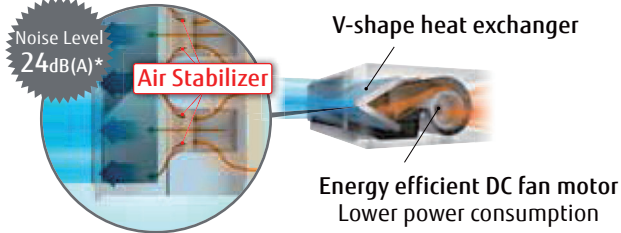
## FUNCTION

Fujitsu's Medium Static Pressure Duct indoor units use the same energy efficient inverter technology you expect from Fujitsu mini-split products, and they have enough static pressure to heat or cool a whole house! SEER ratings up to 21.3 and a compact size mean these indoor units can find a place in many applications.

## ENERGY EFFICIENT & QUIET OPERATION

The combination of the V-shaped heat exchanger, air stabilizer, and the energy efficient DC fan motor results in high efficiency and quiet operation.

 The 12, 18 and 24,000 BTU/h models are Energy Star qualified.



\* 12,18, 24,000 BTU/h models fan speed: Quiet

## OPTIONAL ACCESSORIES

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY, UTY-RHRY
Wi-Fi Interface Module .....	UTY-TFSXZ2
24V Thermostat Interface .....	UTY-TTRXZ1
IR Receiver Kit & Remote .....	UTY-LBTUM
External Input and Output PCB.....	UTY-XCSX
Remote Sensor Unit .....	UTY-XSZX
BACnet Gateway .....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX
External Switch Controller .....	UTY-TERX




## FEATURE HIGHLIGHTS

- Static pressure up to 0.80" W.G. (12/18/24/30/36k models)
- Max piping lengths of up to 246 feet (42/48RGLXD systems)
- Medium Static Ducted units must be installed horizontally
- Heating and cooling operation rated down to -5°F outdoor temperature
- Multiple control options available
- Built-in condensate drain pump
- Automatic static pressure detection for install conditions
- Anti-corrosive coil coating on outdoor unit
- (Optional) fully communicating zoning kit (Airzone)





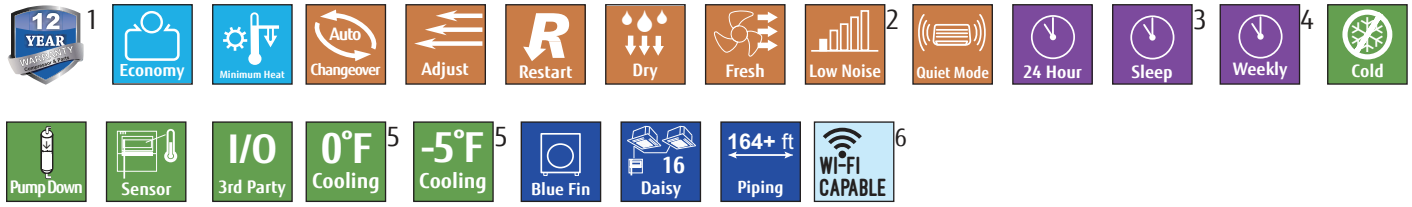
# SYSTEMS 12LUAS1R, 18RGLXD, 24RGLXD, 30RGLXD, 36RGLXD, 42RGLXD, 48RGLXD

		12LUAS1		18RGLXD		24RGLXD		30RGLXD		36RGLXD		42RGLXD		48RGLXD	
															
<b>Performance</b>															
Rated Cooling	BTU/h	12,000		18,000		24,000		30,000		36,000		42,000		48,000	
Min.-Max. Cooling	BTU/h	3,100-13,600		5,400-21,500		5,400-29,000		9,600-35,000		9,600-39,000		17,100-45,000		17,100-50,000	
Rated Heating	BTU/h	16,000		21,000		27,000		32,000		36,000		47,000		53,000	
Min.-Max. Heating	BTU/h	3,400-19,400		5,400-25,600		5,400-32,400		9,200-39,000		9,200-48,000		18,000-51,000		18,000-55,000	
SEER		21.3		19.0		17.5		16.5		16.7		17.8		16.6	
HSPF		11.7		10.9		10.8		10.4		11.3		10.5		10.3	
EER		13.4		13.0		12.6		10.6		10.0		11.5		10.1	
Cooling Operating Range	°F (°C)	14 ~ 115 (-10 ~ 46)		-5 ~ 115 (-20 ~ 46)		-5 ~ 15 (-20 ~ 46)		-5 ~ 115 (-20 ~ 46)		-5 ~ 115 (-20 ~ 46)		-5 ~ 115 (-20 ~ 46)		-5 ~ 115 (-20 ~ 46)	
Heating Operating Range	°F (°C)	-5 ~ 75 (-21 ~ 24)		-5 ~ 75 (-20 ~ 24)		-5 ~ 75 (-20 ~ 24)		-5 ~ 75 (-20 ~ 24)		-5 ~ 75 (-20 ~ 24)		-5 ~ 75 (-20 ~ 24)		-5 ~ 75 (-20 ~ 24)	
Moisture Removal	Pt./h (l/h)	1.5 (0.7)		3.8 (1.8)		4.0 (1.9)		5.1 (2.4)		5.3 (2.5)		5.5 (2.6)		8.2 (3.9)	
<b>Fan (Cooling Mode)</b>															
Air Circulation: Hi	CFM (m3/h)	500 (850)		618 (1050)		800 (1360)		1001 (1700)		1207 (2050) / 1089 (1850)		1501(2550)		1501 (2550)	
Medium	CFM (m3/h)	400 (680)		494 (840)		636 (1080)		800 (1360)		965 (1640)		1201 (2040)		1201 (2040)	
Low	CFM (m3/h)	347 (590)		430 (730)		518 (880)		700 (1190)		783 (1330)		971 (1650)		971 (1650)	
Quiet	CFM (m3/h)	300 (510)		371 (630)		400 (680)		630 (1070)		630 (1070)		842 (1430)		842 (1430)	
Fan Speed Stages		4+Auto		4 + Auto		4 + Auto		4 + Auto		4 + Auto		4 + Auto		4 + Auto	
<b>Sound</b>															
Indoor Level (Clg/Htg): Hi	dB(A)	35/35		31/31		35/35		38/38		37/35		40/40		40/40	
Medium	dB(A)	30/30		28/28		30/30		34/34		33/33		35/35		35/35	
Low	dB(A)	27/27		25/25		28/28		30/30		30/30		33/33		33/33	
Quiet	dB(A)	24/24		24/24		24/24		29/29		26/26		29/29		29/29	
Outdoor Level Clg/Htg	dB(A)	48/49		47/50		53/55		53/55		54/56		55/57		57/59	
<b>Electrical</b>															
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		208-230/60/1	
Circuit Breaker	Amps	15		20		30		30		30		30		30	
Current Rated: Cooling	Amps	4.0		6.1		8.3		12.4		15.8		16.0		20.9	
Current Rated: Heating	Amps	5.3		6.6		9.0		10.9		12.6		16.1		19.5	
Power Use Rated/Max: Cooling	kW	0.89/ 1.45		1.38/2.08		1.90/2.82		2.83/3.43		3.60/4.00		3.65/4.47		4.75/5.01	
Power Use Rated/Max: Heating	kW	1.20/ 1.84		1.50/2.19		2.06/2.96		2.48/3.27		2.88/4.38		3.67/4.57		4.45/4.77	
<b>Size &amp; Weight</b>															
Net Weight	lbs. (kg)	66 (30)	84 (38)	93 (42)	134 (61)	93 (42)	134 (61)	93 (42)	134 (61)	121 (55)	134 (61)	121 (55)	209 (95)	121 (55)	209 (95)
Dimensions: Height	Inch	11-13/16	24-7/8	11-13/16	32-11/16	11-13/16	32-11/16	11-13/16	32-11/16	11-13/16	32-11/16	11-13/16	50-13/16	11-13/16	50-13/16
	mm	300	632	300	830	300	830	300	830	300	830	300	1290	300	1290
Width	Inch	27-9/16	31-7/16	39-3/8	35-7/16	39-3/8	35-7/16	39-3/8	35-7/16	55-1/8	35-7/16	55-1/8	35-7/16	55-1/8	35-7/16
	mm	700	799	1000	900	1000	900	1000	900	1400	900	1400	900	1400	900
Depth	Inch	27-9/16	11-7/16	27-9/16	13	27-9/16	13	27-9/16	13	27-9/16	13	27-9/16	13	27-9/16	13
	mm	700	290	700	330	700	330	700	330	700	330	700	330	700	330
Refrigerant		R410A		R410A		R410A		R410A		R410A		R410A		R410A	
<b>Additional Data</b>															
Static Pressure in. W. C.		0.12 to 0.80		0.12 - 0.80		0.12 - 0.80		0.12 - 0.80		0.12 - 0.80		0.12 - 0.72		0.12 - 0.72	
Min Lineset Length	Ft (m)	16(5)		16 (5)		16 (5)		16 (5)		16 (5)		16 (5)		16 (5)	
Max Lineset Length	Ft (m)	66 (20) (pre-charge 49')		164 (50) (pre-charge 66')		164 (50) (pre-charge 66')		164 (50) (pre-charge 66')		164 (50) (pre-charge 66')		246 (75) (pre-charge 98')		246 (75) (pre-charge 98')	
Max Vertical Diff.	Ft (m)	49 (15)		98 (30)		98 (30)		98 (30)		98 (30)		98 (30)		98 (30)	
Lineset Size	Inch	Gas 3/8	Liq. 1/4	Gas 1/2	Liq. 1/4	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8
		Indoor ARUH12LUAS	Outdoor AOUH12LUAS1	Indoor ARU18RGLX	Outdoor AOU18RGLX	Indoor ARU24RGLX	Outdoor AOU24RGLX	Indoor ARU30RGLX	Outdoor AOU30RGLX	Indoor ARU36RGLX	Outdoor AOU36RGLX	Indoor ARU42RGLX	Outdoor AOU42RGLX	Indoor ARU48RGLX	Outdoor AOU48RGLX

Note: Figures are based on 230 Volts.

# INFINITE COMFORT SERIES 24, 30, 36, 48,000 BTU/h MULTI-POSITION AIR HANDLER UNITS

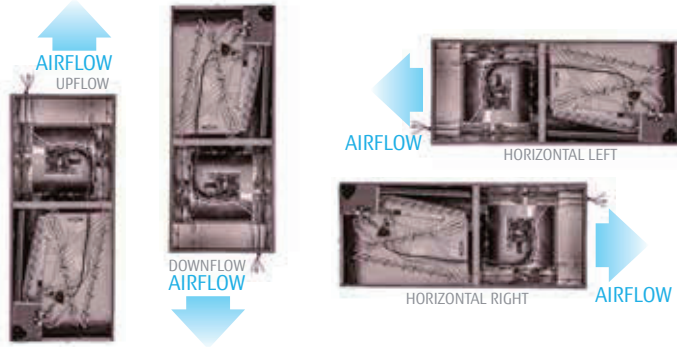
Leveraging our cutting edge inverter technology, Fujitsu's Infinite Comfort series combines our revolutionary side discharge outdoor units with a modular design indoor unit. The result: high efficiency, space saving, and quiet single-zone systems with no compromise.



1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.  
2 Does not apply to 24LMAS1 & 30LMAS1.  
3 Available only with optional wireless remote control.

4 Available only with optional wired remote control.  
5 Does not apply to systems 36LMAS1 & 48LMAS1.  
6 See page 13 for details.

## SYSTEM FEATURES



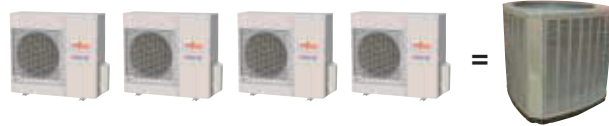
- True Multi-Position Design - up flow, down flow, & horizontal
- High Energy Saving - Inverter driven heat pump, high efficiency ECM motor, and all-aluminum indoor unit coil.

## INDOOR UNIT FEATURES

- All-aluminum indoor unit coil
- High static pressure, up to 1.0 inWG
- Indoor sound levels as low as 24 dBA
- Adaptive fan motor control - Optimum indoor comfort
- Minimal clearance on three sides. Only 24in. clearance on the front for service.
- Downflow and Horizontal Right kits provided with each AHU at no additional cost
- Factory provided and field installed electric heat kit - Up to 15.5kW (Optional)
- External Input/Output Interface - Interlock with 3rd party systems. (Optional)
- (Optional) fully communicating zoning kit (Airzone)

## THE INFINITE COMFORT SERIES IS 4X QUIETER!

You'd need **FOUR** Infinite Comfort Series units to equal the sound level of **ONE** unitary air conditioner.



## OUTDOOR UNIT FEATURES

- Fully communicating heat pump with conventional multi-position air handler. Ideal solution for installations with limited space
- Variable speed inverter-driven compressor for optimum system operation and comfort
- Outdoor sound levels as low as 52 dBA
- High efficiency DC motor

## OPTIONAL ACCESSORIES

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY / UTY-RHRY
Wi-Fi Interface Module .....	UTY-TFSXZ2
24V Thermostat Interface .....	UTY-TTRXZ1
IR Receiver Kit & Remote .....	UTY-LBTUM
External Input and Output PCB.....	UTY-XCSX
BACnet Gateway .....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX
External Switch Controller .....	UTY-TERX
External Connect Kit.....	UTY-XWZXZG
Wire Kit .....	UTY-XWZXZJ
Combustible Floor Base.....	RXHB-21
External Filter Base .....	RXHF-21

# SYSTEMS 24RGLXM, 30RGLXM, 36LMAS1, 48LMAS1

## HIGH HEAT SYSTEMS 30LUAH1M, 36LMAH1M, 48LMAH1M

		24RGLXM		30RGLXM		36LMAS1		48LMAS1		30LUAH1M		36LMAH1M		48LMAH1M	
<b>Performance</b>		<i>XLH</i> <i>XLH</i> <i>XLH</i>													
Rated Cooling	BTU/h	24,000		30,000		36,000		45,600		28,600		33,000		45,500	
Min.-Max. Cooling	BTU/h	5,400 - 29,000		9,600 - 35,000		13,000 - 38,000		13,000 - 48,000		9,600-35,000		13,000-39,000		13,000-50,000	
Rated Heating	BTU/h	27000		32000		42000		53000		32,000		38,000		51,000	
Min.-Max. Heating	BTU/h	5,400 - 32,400		9,200 - 39,000		11,000 - 52,000		11,000 - 54,000		9,200-39,000		15,000-52,000		15,000-55,000	
SEER		19		18.5		18		17		19.1		17.3		16.3	
HSPF		10.7		10.3		10.2		10.2		10.5		11		10.2	
EER		12		10.1		11.3		8.2		12.0		11.5		9.10	
Cooling Operating Range	°F (°C)	-5 ~ 115 (-20 ~ 46)		-5 ~ 115 (-20 ~ 46)		14~ 115 (-10 ~ 46)		14~ 115 (-10 ~ 46)		-5 ~ 115 (-21 ~ 46)		-5 ~ 115 (-21 ~ 46)		-5 ~ 115 (-21 ~ 46)	
Heating Operating Range	°F (°C)	-5 ~ 75 (-20 ~ 24)		-5 ~ 75 (-20 ~ 24)		-5 ~ 75 (-20 ~ 24)		-5 ~ 75 (-20 ~ 24)		-15 ~ 75 (-26 ~ 24)		-15 ~ 75 (-26 ~ 24)		-15 ~ 75 (-26 ~ 24)	
Moisture Removal	Pt./h (l/h)	4.6 (2.2)		7.2 (3.4)		7.2 (3.4)		9.3 (4.4)		6.8 (3.2)		6.6 (3.1)		9.3 (4.4)	
<b>Fan (Cooling Mode)</b>															
Air Circulation: Hi	CFM (m3/h)	800 (1,359)		800 (1,359)		1,200 (2,039)		1,640 (2,786)		870 (1,478)		1,200 (2,039)		1,640 (2,786)	
Medium	CFM (m3/h)	670 (1,138)		670 (1,138)		740 (1,257)		1,020 (1,733)		730 (1,240)		740 (1,257)		1,020 (1,733)	
Low	CFM (m3/h)	590 (1,002)		590 (1,002)		590 (1,002)		820 (1,393)		590 (1,002)		590 (1,002)		820 (1,393)	
Quiet	CFM (m3/h)	310 (527)		310 (527)		490 (833)		590 (1,002)		310 (527)		490 (833)		590 (1,002)	
Fan Speed Stages		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto		4+Auto	
<b>Sound</b>															
Indoor Level (Clg/Htg): Hi	dB(A)	40/37		42/39		41/40		48/47		42/39		41/40		48/47	
Medium	dB(A)	34/33		37/36		30/35		36/37		37/36		30/35		36/37	
Low	dB(A)	32/31		33/32		27/28		31/32		33/32		27/28		31/32	
Quiet	dB(A)	26/25		28/25		24/26		25/29		28/25		24/26		25/29	
Outdoor Level Clg/Htg	dB(A)	53/55		53/55		53/54		54/55		52/53		52/53		54/54	
<b>Electrical</b>															
Voltage/Frequency/Phase		208-230V/60Hz/1		208-230V/60Hz/1		208-230V/60Hz/1		208-230V/60Hz/1		208-230V/60Hz/1		208-230V/60Hz/1		208-230V/60Hz/1	
Circuit Breaker	Amps	30		30		40		40		35		40		45	
Current Rated: Cooling	Amps	8.8		13		14		24.4		10.7		12.8		22.2	
Current Rated: Heating	Amps	10.9		13.26		16.8		23.5		11.4		12.7		18.4	
Power Use Rated/Max: Cooling	kW	2/3.47		2.97/3.41		3.18/3.52		5.56/5.94		2.39/ 3.40		2.87/ 3.66		5.00/ 6.00	
Power Use Rated/Max: Heating	kW	2.48/3.47		3.02/4.16		3.82/5.39		5.35/5.42		2.58/ 4.17		2.85/ 4.96		4.13/ 5.41	
<b>Size &amp; Weight</b>															
Net Weight	lbs. (kg)	104 (47)	134 (61)	104 (47)	134 (61)	132 (60)	198 (90)	132 (60)	198 (90)	104 (47.0)	187 (85)	132 (60.0)	236 (107)	132 (60.0)	236 (107)
Dimensions: Height	Inch	42-8/16	32-11/16	42-8/16	32-11/16	57	39-5/16	57	39-5/16	42-1/2	39-5/16	57	52-1/2	57	52-1/2
	mm	1080	830	1080	830	1448	998	1448	998	1,080	998	1,448	1,334	1,448	1,334
Width	Inch	21	35-7/16	21	35-7/16	21	38-3/16	21	38-3/16	21	38-3/16	21	38-3/16	21	38-3/16
	mm	533	900	533	900	533	970	533	970	533	970	533	970	533	970
Depth	Inch	21-11/16	13	21-11/16	13	21-11/16	14-9/16	21-11/16	14-9/16	21-11/16	14-9/16	21-11/16	14-9/16	21-11/16	14-9/16
	mm	551	330	551	330	551	370	551	370	551	370	551	370	551	370
Refrigerant		410A		410A		410A		410A		410A		410A		410A	
<b>Additional Data</b>															
Static Pressure in. W. C.		0-1.0 (20-250 )		0-1.0 (20-250 )		0-1.0 (20-250 )		0-1.0 (20-250 )		0.08 ~ 1 (20 ~ 250)		0.08 ~ 1 (20 ~ 250)		0.08 ~ 1 (20 ~ 250)	
Min Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)		16 (5)		16 (5)		16 (5)		16 (5)	
Max Lineset Length	Ft (m)	164 (50) (pre-charge 66')		164 (50) (pre-charge 66')		230 (70) (pre-charge 98')		230 (70) (pre-charge 98')		246 (75) (pre-charge 98')		246 (75) (pre-charge 98')		246 (75) (pre-charge 98')	
Max Vertical Diff.	Ft (m)	98 (30)		98 (30)		98 (30)		98 (30)		98 (30)		98 (30)		98 (30)	
Lineset Size	Inch	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8
		AMUG24LMAS	AOU24RGLX	AMUG30LMAS	AOU30RGLX	AMUG36LMAS	AOU36LMAS1	AMUG48LMAS	AOU48LMAS1	AMUG30LMAS	AOUH30LUAH1	AMUG36LMAS	AOU36LMAH1	AMUG48LMAS	AOU48LMAH1

Note: Figures are based on 230 Volts.



# 18, 24, 36,000 BTU/h CEILING & UNIVERSAL HEAT PUMPS



Handheld remote control included with indoor unit


1 Available only with optional wired remote control.  
 2 Outside air knockout available. Outside air fan and ductwork field supplied. See Design and Technical Manual for details.  
 3 See page 13 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 outside air intake and high capacity is required like a restaurant or bar. They are also often suspended from threaded rods and used in multiples 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 outside air and can throw air farther.

## OPTIONAL ACCESSORIES

- Wired Remote Control ..... UTY-RNBYU  
Requires dip switch change on indoor unit.
- Condensate Drain Pump.....UTR-DPB24T  
Available only for System 36RSLX.



# SYSTEMS 18RULX, 24RULX, 36RSLX

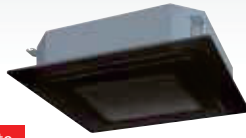
UP TO 16 SEER		18RULX		24RULX		36RSLX	
<b>Performance</b>							
Rated Cooling	BTU/h	17,800		22,200		34,100	
Min.-Max. Cooling	BTU/h	5,000~21,600		5,000~27,300		8,500~36,000	
Rated Heating	BTU/h	21,500		24,000		36,500	
Min.-Max. Heating	BTU/h	5,000~25,600		5,000~29,000		9,200~42,700	
SEER		16.0		15.0		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)	
<b>Fan (Cooling Mode)</b>							
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)	
Fan Speed Stages		3 + Auto		3 + Auto		3 + Auto	
<b>Sound</b>							
Indoor Sound Level (Clg/Htg): Hi	dB(A)	43/43		47/47		48/48	
Medium	dB(A)	39/39		43/43		45/43	
Low	dB(A)	35/35		38/38		41/39	
Outdoor Sound Level Clg/Htg	dB(A)	51/53		53/55		54/55	
<b>Electrical</b>							
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	
<b>Size &amp; Weight</b>							
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	
<b>Additional Data</b>							
Air Direction: Horizontal		Automatic		Automatic		Automatic	
Vertical		Automatic		Automatic		Automatic	
Air Filter Type		Washable		Washable		Washable	
Front Grille		Permanent		Permanent		Permanent	
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)	
Maximum Lineset Length	Ft (m)	164 (50) (pre-charge: 49')		164 (50) (pre-charge: 49')		164 (50) (pre-charge: 49')	
Max. Vertical Diff.	Ft (m)	66 (20)		66 (20)		98 (30)	
Lineset Size	Inch	Gas 1/2	Liq. 1/4	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8
		Indoor ABU18RULX	Outdoor AOU18RLX	Indoor ABU24RULX	Outdoor AOU24RLX	Indoor ABU36RSLX	Outdoor AOU36RLX

Note: Figures are based on 230 Volts.

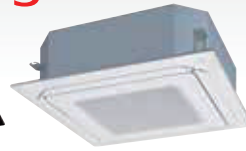
# 18, 24, 30, 36, 42,000 BTU/h LARGE CASSETTE CIRCULAR FLOW HEAT PUMPS



Optional remote controllers available



AUU18/24RGLX with UTG-LCGVCB



AUU30/36/42/48RGLX with UTG-GCGF



AOU18/24/30/36RGLX



AOU42/48RGLX

1		2								3			4
5				5									6

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 part UTY-SHZXC.  
 3 42, 48,000 BTU/h systems only.

4 Available only with optional wireless remote control.  
 5 Available only with optional wired remote control.  
 6 See page 13 for details.

## BETTER AIR DISTRIBUTION USING 360-DEGREE LOUVERS

Circular flow design allows conditioned air to reach every corner of a room.



## INDIVIDUAL LOUVER CONTROL

Each louver can be positioned individually to deliver comfortable air exactly where you want it in any room configuration. To take advantage of this feature use Wired Remote Control (Touch Panel) UTY-RNRUZ Series.



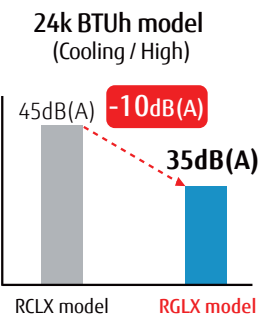
Individual louvers can be programmed separately. Adjust vertical airflow and louver position with UTY-RNRUZ Series Wired Remote Control.



Airflow fan speed can be customized depending on room layout.

## QUIET OPERATION AND 4 FAN SPEED CONTROL

With the new airflow structure, sound levels are drastically reduced. Circular flow cassette models operate at whisper quiet sound levels. Choose from 4 different fan speeds.



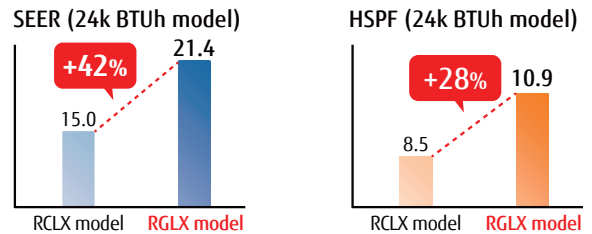
4 fan speeds

- High
- Med
- Low
- Quiet

\*Compatible Remote Controller is as follows:  
 UTY-RNRUZ2 / UTY-RSRY / UTY-RHRY / UTY-LBTUC

## HIGH ENERGY EFFICIENCY

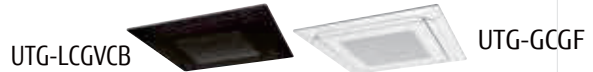
Energy saving performance is achieved through use of a DC twin rotary compressor, DC fan motor and optimized refrigerant cycle control.



## GRILLES

**NOTE: RGLX Large Cassette grilles are sold separately.**

Circular flow cassette grilles come in your choice of either black or white and must be ordered with each cassette.





## OPTIONAL ACCESSORIES

Wired Remote Controller .....	UTY-RNRUZ Series
Simple Remote Controller .....	UTY-RSRY, UTY-RHRY
Wireless LAN Adapter .....	UTY-TFSXZ2
Wi-Fi Module .....	UTY-TFNXZ2
24V Thermostat Interface .....	UTY-TTRXZ1
External Input and Output PCB .....	UTY-XCSX
IR Wireless Module .....	FJ-IR-WIFI-1NA
BACnet Gateway .....	FJ-AC-BAC-1L
Modbus Converter .....	UTY-VMSX
External Switch Controller .....	UTY-TERX
Fresh Air Intake Kit .....	KHRS940-25
Fresh Air Kit .....	UTZ-VXRA
Air Outlet Shutter Plate .....	UTR-YDZK
Communication Kit Bracket .....	UTY-GXRA
IR Receiver Unit & Remote .....	UTY-LBTUC
Human Sensor Kit .....	UTY-SHZXC
External Connect Kit .....	UTY-XWZXZG, UTY-XWZXZ3
Wide Panel .....	UTG-AKXA-W
Panel Spacer .....	UTG-BKXA-W



# SYSTEMS 18RGLXC, 24RGLXC, 30RGLXC, 36RGLXC, 42RGLXC, 48RGLXC

		18RGLXC		24RGLXC		30RGLXC		36RGLXC		42RGLXC		48RGLXC	
													
<b>Performance</b>													
Rated Cooling	BTU/h	18,000		24,000		30,000		36,000		42,000		48,000	
Min.-Max. Cooling	BTU/h	5,400-21,500		5,400-29,000		9,600-35,000		9,600-39,000		17,100-45,000		17,100-50,000	
	BTU/h	21,000		27,000		32,000		36,000		47,000		53,000	
Min.-Max. Heating	BTU/h	5,400-25,600		5,400-32,400		9,200-39,000		9,200-48,000		18,000-51,000		18,000-55,000	
SEER		21.4		20		18.6		17.5		18.5		17.8	
HSPF		10.9		10.8		11.5		11.2		9.7		10.6	
EER	Btu/hW	13.4		12.8		11.7		10		11.3		10.1	
Cooling Operating Range	°F (°C)	-5 - 115 (-20 - 46)		-5 - 115 (-20 - 46)		-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)		-5 - 75 (-20 - 24)		-5 - 75 (-20 - 24)		-5 - 75 (-20 - 24)		-5 - 75 (-20 - 24)	
Moisture Removal	Pt./h (l/h)	3.9 (2.2)		5.1 (2.9)		5.3 (3.0)		6.5 (3.7)		7.7 (4.4)		9.3 (5.3)	
<b>Fan (Cooling Mode)</b>													
Air Circulation: Hi	CFM (m3/h)	618 (1,050)		677 (1,150)		942 (1,600)		1,118 (1,900)		1,177 (2,000)		1,236 (2,100)	
Medium	CFM (m3/h)	565 (960)		618 (1,050)		824 (1,400)		936 (1,590)		971 (1,650)		1,048 (1,780)	
Low	CFM (m3/h)	530 (900)		577 (980)		748 (1,270)		836 (1,420)		859 (1,460)		942 (1,600)	
Quiet	CFM (m3/h)	459 (780)		512 (870)		677 (1,150)		695 (1,180)		765 (1,300)		777 (1,320)	
Fan Speed Stages		4 + Auto		4 + Auto		4 + Auto		4 + Auto		4 + Auto		4 + Auto	
<b>Sound</b>													
Indoor Sound Level (Clg/Htg): Hi	dB(A)	33/33		35/35		40/40		44/44		46/46		47/47	
Medium	dB(A)	32/32		34/34		38/38		41/41		42/42		43/43	
Low	dB(A)	31/31		32/32		36/36		38/38		39/39		40/40	
Quiet	dB(A)	28/28		29/29		33/33		34/34		35/35		36/36	
Outdoor Sound Level Clg/Htg	dB(A)	47/50		53/55		53/55		54/56		55/57		57/59	
<b>Electrical</b>													
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	20		30		30		30		30		30	
Current Rated: Cooling	Amps	6.1		8.4		11.5		16.1		16.7		20.9	
Current Rated: Heating	Amps	6.6		9.6		10.7		12.2		16.8		19.5	
Power Use Rated/Max: Cooling	kW	1.35/2.05		1.88/2.77		2.57/3.33		3.60/3.94		3.72/4.35		4.75/4.91	
Power Use Rated/Max: Heating	kW	1.47/2.27		2.15/2.88		2.38/3.27		2.73/4.19		3.74/4.39		4.49/4.67	
<b>Size &amp; Weight</b>													
Net Weight	lbs. (kg)	53 (24)	134 (61)	53 (24)	134 (61)	57 (26)	134 (61)	57 (26)	134 (61)	64 (29)	209 (95)	64 (29)	209 (95)
Dimensions: Height	Inch	9 11/16	32 11/16	9 11/16	32 11/16	11 5/16	32 11/16	11 5/16	32 11/16	11 5/16	50 13/16	11 5/16	50 13/16
	mm	246	830	246	830	288	830	288	830	288	1290	288	1290
Width	Inch	33 1/16	35 7/16	33 1/16	35 7/16	33 1/16	35 7/16	33 1/16	35 7/16	33 1/16	35 7/16	33 1/16	35 7/16
	mm	840	900	840	900	840	900	840	900	840	900	840	900
Depth	Inch	33 1/16	13	33 1/16	13	33 1/16	13	33 1/16	13	33 1/16	13	33 1/16	13
	mm	840	330	840	330	840	330	840	330	840	330	840	330
Refrigerant		R410A		R410A		R410A		R410A		R410A		R410A	
<b>Additional Data</b>													
		White Grille (UTG-GCGF) or Black Grille (UTG-LCGVCB) Sold Separately											
Minimum Lineset Length	Ft (m)	16 (5)		16 (5)		16 (5)		16 (5)		16 (5)		16 (5)	
Maximum Lineset Length	Ft (m)	164 (50) Precharge 66'		164 (50) Precharge 66'		164 (50) Precharge 66'		164 (50) Precharge 66'		246 (75) Precharge 98'		246 (75) Precharge 98'	
Max. Vertical Diff.	Ft (m)	98 (30)		98 (30)		98 (30)		98 (30)		98 (30)		98 (30)	
Lineset Size	Inch	Gas 1/2	Liq. 1/4	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8	Gas 5/8	Liq. 3/8
		Indoor AUU18RGLX	Outdoor AOU18RGLX	Indoor AUU24RGLX	Outdoor AOU24RGLX	Indoor AUU30RGLX	Outdoor AOU30RGLX	Indoor AUU36RGLX	Outdoor AOU36RGLX	Indoor AUU42RGLX	Outdoor AOU42RGLX	Indoor AUU48RGLX	Outdoor AOU48RGLX

## 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
- Many combinations are ENERGY STAR® qualified
- Create hundreds of combinations based on indoor type and BTU/h

### MULTI-ZONE



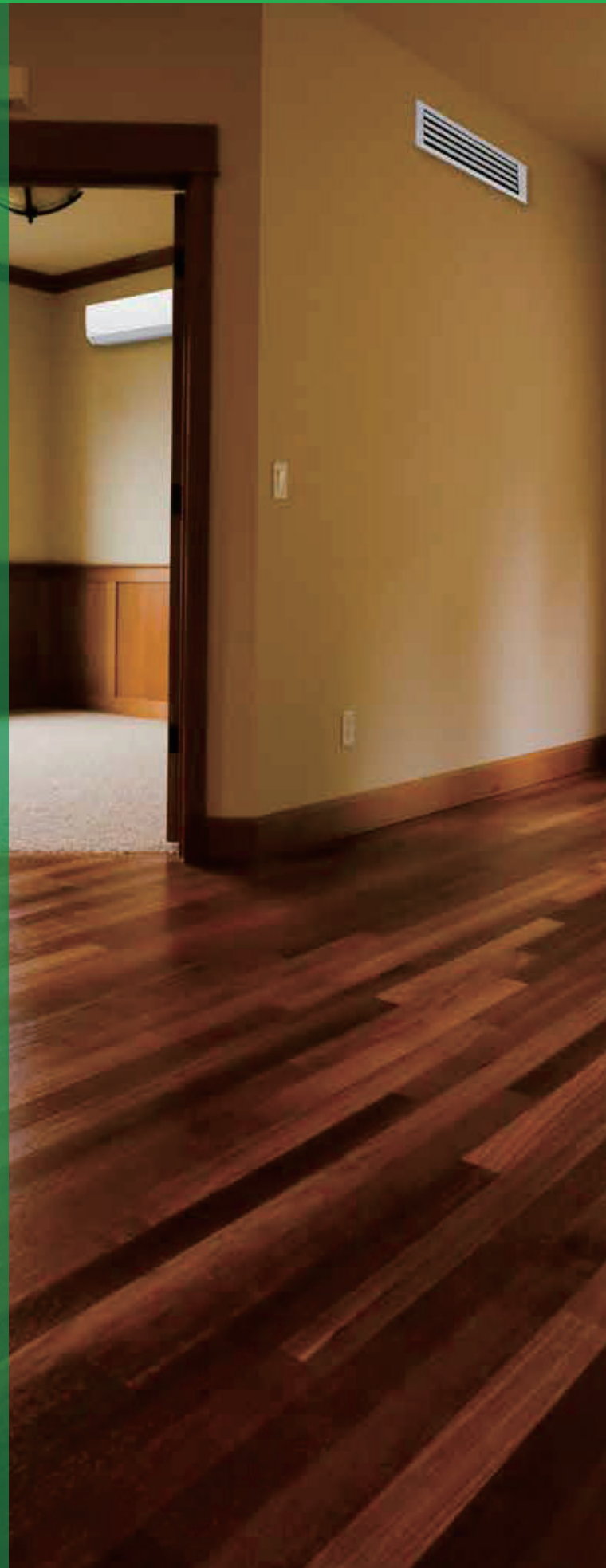
- Connect 2 to 5 indoor units, depending on model
- Connect 14,000 to 54,000 BTU/h

### MULTI-ZONE EXTRA LOW TEMPERATURE HEATING



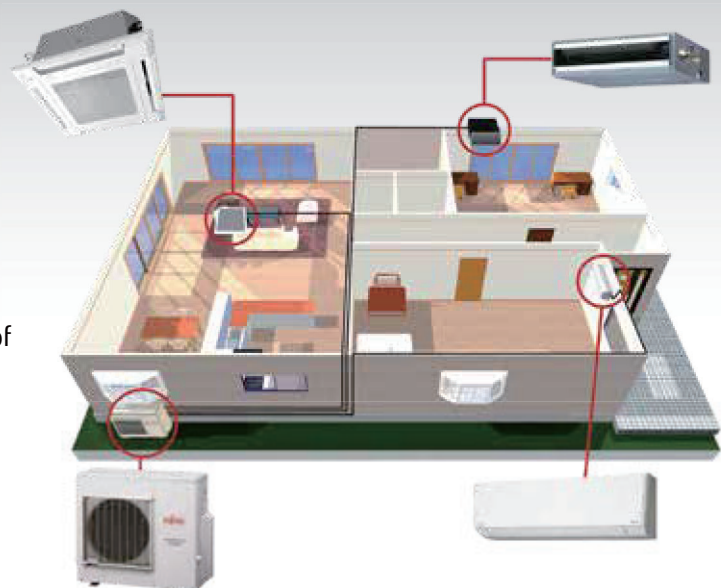
18, 24, 36,000 BTU/h

- 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



# 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 5 indoor units simultaneously. Fujitsu's systems are whisper quiet as well as highly energy efficient.



## MULTI-ZONE AND XLTH SERIES SYSTEMS

18, 24, 36, AND 45,000 BTU/h

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 68.

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 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 BTU/h (21,000 BTU downstairs and 18,000 BTU upstairs). However typically a 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.





# MIX AND MATCH FLEXIBILITY

The ability to create the **right** combinations, the **right** quantity (up to 5-zones), the **right** style indoor units, and the **right** capacity. It's the **RIGHT** choice for your home or business.

## MULTI-ZONE OUTDOOR UNITS



MULTI-ZONE INDOOR UNITS

WALL MOUNTS				
ASUH07, 09, 12LPAS	✓	✓	✓	✓
ASUH15LPAS		✓	✓	✓
ASUH18LPAS		✓	✓	✓
ASUH24LPAS			✓	✓
FLOOR MOUNTS				
AGU9, 12RLF	✓	✓	✓	✓
AGU15RLF		✓	✓	✓
SLIM DUCTS				
ADUH07, 09, 12LUAS1	✓	✓	✓	✓
ADUH18LUAS1		✓	✓	✓
ADUH24LUAS1			✓	✓
COMPACT CASSETTES				
ACUH07, 09, 12LUAS1	✓	✓	✓	✓
ACUH18LUAS1		✓	✓	✓

# INDIVIDUAL ZONING: PERSONALIZED WHOLE HOME COMFORT

## WALL MOUNTED

High wall location for minimized presence. The elimination of ducting increases delivered efficiency.

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



## SLIM DUCT

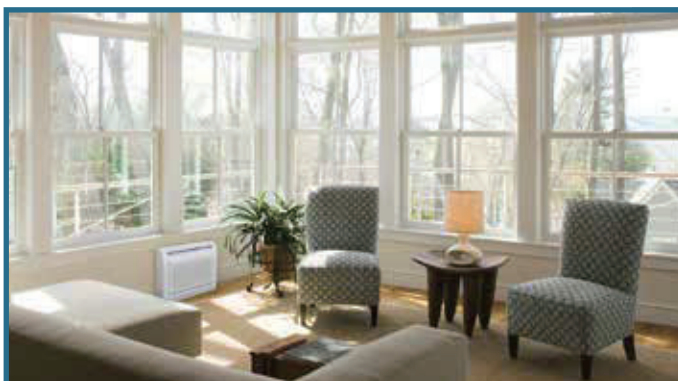
Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.

- 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 and efficient 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



Handheld remote control included with indoor unit



ASHH07LPAS  
ASUH09LPAS  
ASUH12LPAS  
ASUH15LPAS



ASUH18LPAS  
ASUH24LPAS

1										2		
	2			2		3						

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 See page 13 for details.



### 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 so growth is inhibited and deactivated.



# ASUH07LPAS, ASUH09LPAS, ASUH12LPAS, ASUH15LPAS, ASUH18LPAS, ASUH24LPAS

		ASUH07LPAS	ASUH09LPAS1	ASUH12LPAS1	ASUH15LPAS	ASUH18LPAS1	ASUH24LPAS1
<b>Performance</b>							
Rated Cooling	BTU/h	7,000	9,000	12,000	14,000	18,000	24,000
Rated Heating	BTU/h	7,500	9,600	12,800	16,000	19,200	25,600
<b>Fan (Cooling Mode)</b>							
Air Circulation: Hi	CFM (m3/h)	383 (650)	412 (700)	412 (700)	453 (770)	530 (900)	642 (1,090)
Medium	CFM (m3/h)	318 (540)	330 (560)	330 (560)	353 (600)	471 (800)	530 (900)
Low	CFM (m3/h)	253 (430)	253 (430)	253 (430)	265 (450)	377 (640)	471 (800)
Quiet	CFM (m3/h)	188 (320)	188 (320)	182 (310)	182 (310)	241 (410)	306 (520)
Fan Speed Stages		4+Auto	4+Auto	4+Auto	4+Auto	4+Auto	4+Auto
<b>Sound</b>							
Indoor Sound Level (Clg/Htg): Hi	dB(A)	38/41	40/42	40/42	43/44	44/43	49/47
Medium	dB(A)	33/35	34/36	35/38	36/39	42/39	44/43
Low	dB(A)	29/31	29/31	30/33	30/33	37/34	42/37
Quiet	dB(A)	21/22	21/22	21/22	21/24	26/28	31/32
<b>Electrical</b>							
Voltage/Frequency/Phase		208/230 V ~ 60 Hz	208/230 V ~ 60 Hz	208/230 V ~ 60 Hz	208/230 V ~ 60 Hz	208/230 V ~ 60 Hz	208/230 V ~ 60 Hz
Current Rated/Max: Cooling	Amps	0.18/ 0.23	0.20/ 0.25	0.24/ 0.3	0.35/ 0.44	0.32/ 0.40	0.46/ 0.58
Current Rated/Max: Heating	Amps	0.18/ 0.23	0.20/ 0.25	0.24/ 0.3	0.35/ 0.44	0.32/ 0.40	0.46/ 0.58
Input Power	W	18	22	26	42	34	55
<b>Size &amp; Weight</b>							
Net Weight	lbs. (kg)	21 (9.5)	21 (9.5)	22 (10.0)	22 (10.0)	29 (13)	29 (13)
Dimensions: Height	Inch	10-5/8	10-5/8	10-5/8	10-5/8	11	11
	mm	270	270	270	270	280	280
Width	Inch	32-13/16	32-13/16	32-13/16	32-13/16	38-9/16	38-9/16
	mm	834	834	834	834	980	980
Depth	Inch	8-3/4	8-3/4	8-3/4	8-3/4	9-7/16	9-7/16
	mm	222	222	222	222	240	240
Refrigerant		R410A	R410A	R410A	R410A	R410A	R410A
<b>Additional Data</b>							
Air Direction: Horizontal		Manual	Manual	Manual	Manual	Manual	Manual
Air Direction: Vertical		Automatic	Automatic	Automatic	Automatic	Automatic	Automatic
Air Filter Type		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	Gas 3/8   Liq. 1/4	Gas 3/8   Liq. 1/4	Gas 3/8   Liq. 1/4	Gas 1/2   Liq. 1/4	Gas 1/2   Liq. 1/4	Gas 1/2   Liq. 1/4

# 7, 9, 12, 18, 24,000 BTU/h SLIM DUCT

## MULTI-ZONE INDOOR



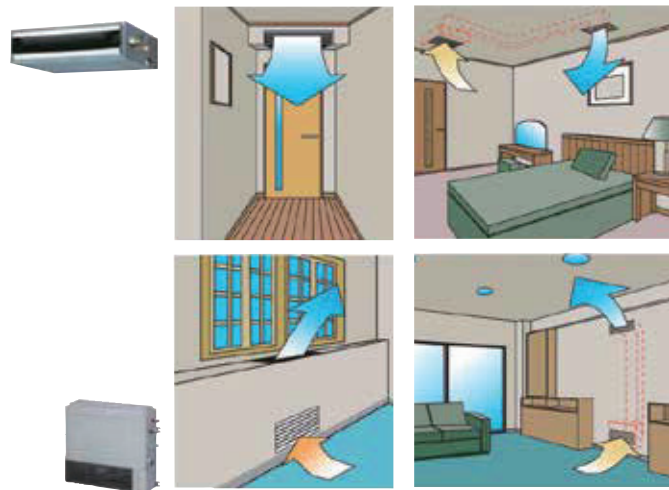
Controller not included. Controls sold separately.



1		2											
		3	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 See page 13 for details.										

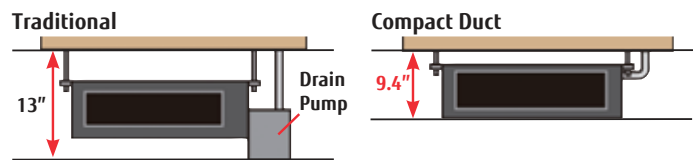
### FLEXIBLE INSTALLATION

Horizontal or vertical installation. When installed vertically, condensate drain is by gravity only.



### SLIM DUCT

Excellent to use 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.

\*Typical filter pressure drop.  
 ^Available Static Pressure factors in filter pressure loss only.

	ADUH07LUAS1	ADUH09LUAS1	ADUH12LUAS1	ADUH18LUAS1	ADUH24LUAS1
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
<b>1" Fiberglass Filter</b>					
*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
<b>1" MERV 8 Pleated Filter</b>					
*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
<b>2" MERV 8 Pleated Filter</b>					
*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

# ADUH07LUAS1, ADUH09LUAS1, ADUH12LUAS1, ADUH18LUAS1, ADUH24LUAS1

		ADUH07LUAS1	09LUAS1D	12LUAS1D	18LUAS1D	ADUH24LUAS1
<b>Performance</b>						
Rated Cooling	BTU/h	7,000	9,000	12,000	18,000	24,000
Rated Heating	BTU/h	7,500	9,600	12,800	19,200	25,600
<b>Fan (Cooling Mode)</b>						
Air Circulation: Hi	CFM (m3/h)	324 (550)	353 (600)	382 (650)	553 (940)	783 (1330)
Medium	CFM (m3/h)	288 (490)	324 (550)	353 (600)	518 (880)	730 (1240)
Low	CFM (m3/h)	277 (470)	294 (500)	324 (550)	483 (820)	647 (1100)
Quiet	CFM (m3/h)	259 (440)	265 (450)	283 (480)	441 (750)	606 (1030)
Fan Speed Stages		4 + Auto	4+auto	4+auto	4+auto	4 + Auto
<b>Sound</b>						
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
<b>Electrical</b>						
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 to 0.36	0 to 0.36	0 to 0.36	0 to 0.36	0 to 0.36
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
Input Power	W	33	49	58	73	111
<b>Size &amp; Weight</b>						
Net Weight	lbs. (kg)	35 (16)	37 (17)	37 (17)	44 (20)	53 (24)
Dimensions: Height	Inch	7-13/16	7-13/16	7-13/16	7-13/16	7-13/16
	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	24-7/16	24-7/16	24-7/16	24-7/16	24-7/16
	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	25-9/16	25-9/16	25-9/16	33-7/16	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	6-7/8	6-7/8	6-7/8	6-7/8	6-7/8
	mm	175	175	175	175	175
Width	Inch	22-5/8	22-5/8	22-5/8	30-1/2	37-3/4
	mm	575	575	575	775	959
Depth	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
<b>Additional Data</b>						
Air Filter Type		Washable	Washable	Washable	Washable	Washable
Lineset Size	Inch	Gas 3/8   Liq. 1/4	Gas 3/8   Liq. 1/4	Gas 3/8   Liq. 1/4	Gas 1/2   Liq. 1/4	Gas 5/8   Liq. 1/4

Note: Figures are based on 230 Volts.



# 7, 9, 12, 18,000 BTU/h COMPACT CASSETTES

## MULTI-ZONE INDOOR



Optional remote controllers available



1		2						3				
	4					5						

- 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 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 wired remote control.
- 5 See page 13 for details.

### EASY MAINTENANCE

Maintenance is made simple by removing the ceiling panel next to the grille. Working on the cassette unit from an adjoining ceiling tile keeps disruption and construction costs down.

The air inlet grille can be installed in various directions, making maintenance convenient.

### 2-STAGE EFFICIENT FAN

Air distribution is evenly spread across the heat exchanger by the 2 stage 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.

### OPTIONAL ACCESSORY



#### Fresh Air Kit

UTZ-VXAA

Permits limited introduction of outdoor air into the cassette unit for ventilation purposes. Additional items required. (see footnote #4, above)

# ACUH07LUAS1, ACUH09LUAS1, ACUH12LUAS1, ACUH18LUAS1

		ACUH07LUAS1	ACUH09LUAS1	ACUH12LUAS1	ACUH18LUAS1
<b>Performance</b>					
Rated Cooling	BTU/h	7,000	9,000	12,000	18,000
Rated Heating	BTU/h	7,500	9,600	12,800	19,200
<b>Fan (Cooling Mode)</b>					
Air Circulation: Hi	CFM (m3/h)	318 (540)	318 (540)	359 (610)	441 (750)
Medium	CFM (m3/h)	288 (490)	288 (490)	312 (530)	359 (610)
Low	CFM (m3/h)	259 (440)	259 (440)	277 (470)	306 (520)
Quiet	CFM (m3/h)	230 (390)	230 (390)	241 (410)	241 (410)
Fan Speed Stages		4+auto	4+auto	4+auto	4+auto
<b>Sound</b>					
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
<b>Electrical</b>					
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	0.20	0.35
Current Rated: Heating	Amps	0.15	0.15	0.20	0.35
Input Power	W	18	18	23	39
<b>Size &amp; Weight</b>					
Net Weight	lbs. (kg)	33 (15)	33 (15)	33 (15)	33 (15)
Dimensions: Height	Inch	9-5/8	9-5/8	9-5/8	9-5/8
	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
<b>Additional Data</b>					
Air Direction: Vertical		Automatic	Automatic	Automatic	Automatic
Air Filter Type		Washable	Washable	Washable	Washable
Front Grille: UTG-CCGFGA					
Grille Dim: Height	Inch (mm)	1-15/16 (49)	1-15/16 (49)	1-15/16 (49)	1-15/16 (49)
Width	Inch (mm)	24-7/16 (620)	24-7/16 (620)	24-7/16 (620)	24-7/16 (620)
Depth	Inch (mm)	24-7/16 (620)	24-7/16 (620)	24-7/16 (620)	24-7/16 (620)
Lineset Size	Inch	Gas 3/8   Liq. 1/4	Gas 3/8   Liq. 1/4	Gas 3/8   Liq. 1/4	Gas 1/2   Liq. 1/4

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

# 9, 12, 15,000 BTU/h FLOOR MOUNT

## MULTI-ZONE INDOOR



Handheld remote control included with indoor unit

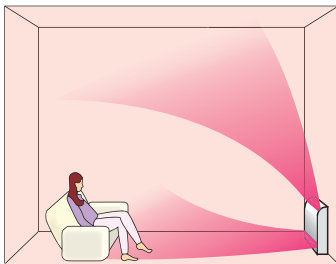


1												2
				2		3		2	4			

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 RLLFFH models only.  
 4 See page 13 for details.

### 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		Heating	

**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.

### FLEXIBLE AND EASY INSTALLATION

Beneath standard window	Standard concave installation
Wall	Half concealed*

\*Field supplied insulation required





# AGU9RLF, AGU12RLF, AGU15RLF

		AGU9RLF	AGU12RLF	AGU15RLF
<b>Performance</b>				
Rated Cooling	BTU/h	9,000	12,000	14,200
Rated Heating	BTU/h	12,000	16,000	18,000
<b>Fan (Cooling Mode)</b>				
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 Stages		4+Auto	4+Auto	4+Auto
<b>Sound</b>				
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
<b>Electrical</b>				
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
Input Power	W	16	18	23
<b>Size &amp; Weight</b>				
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
<b>Additional Data</b>				
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	Gas 3/8    Liq. 1/4	Gas 3/8    Liq. 1/4	Gas 1/2    Liq. 1/4



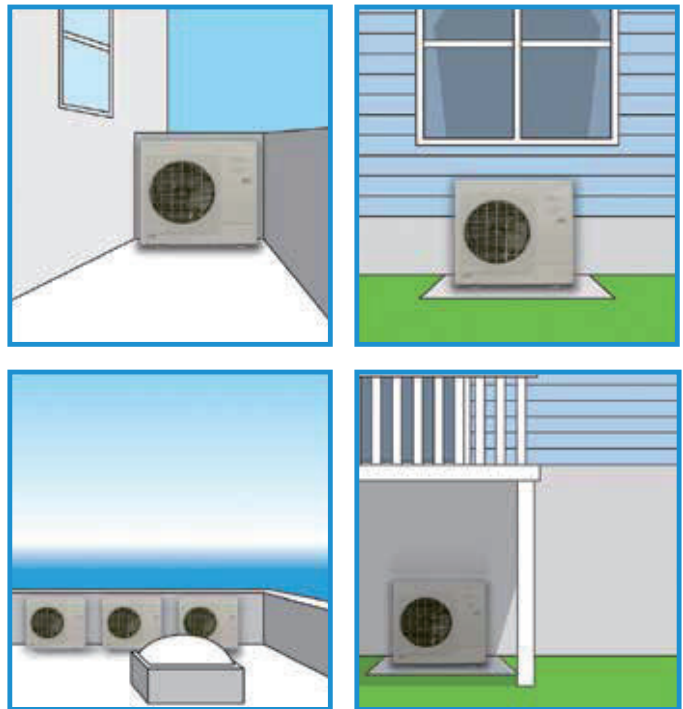
# 18, 24, 36, 45,000 BTU/h MULTI-ZONE OUTDOOR UNITS



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.

## COMPACT SIZE

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



## DC TWIN ROTARY COMPRESSOR

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



## MULTI-ZONE EFFICIENCY

Model	Type	SEER	HSPF	EER	COP
AOU18RLXFZ	Non Ducted	18	9.3	12.5	3.44
	Ducted	16	9	12.1	3.52
	Mixed	17	9.2	12.3	3.48
AOU24RLXFZ	Non Ducted	18	9.5	12.5	4.04
	Ducted	15.5	9	10.6	3.42
	Mixed	16.8	9.3	11.6	3.74
AOU36RLXFZ1	Non Ducted	18	9.4	10	3.56
	Ducted	16	8.7	9	3.32
	Mixed	17	9.1	9.5	3.44
AOU45RLXFZ	Non Ducted	19.7	10.3	10.5	3.6
	Ducted	17.7	9.3	9.8	3.46
	Mixed	18.7	9.8	10.2	3.53

## SERVICE VALVES

AOU18RLXFZ / AOU24RLXFZ / AOU36RLXFZ1

The above units have (2) service valves for each zone.

BENEFITS:

- **Installation** – Allows for reduced installation time.
- **Service** – Allows for refrigerant isolation of each zone, if necessary.
- **Add Ons** – Ease of additional add-ons.

The AOU45RLXFZ does not have this feature.

# AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ1, AOU45RLXFZ

		AOU18RLXFZ ASU9+ASU9	AOU24RLXFZ ASU9+ASU7+ASU7	AOU36RLXFZ1 ASU9 x 4	AOU45RLXFZ ASU9 x 5
<b>Performance</b>					
Connectable Indoor Units		2	2 to 3	2* to 4	2 to 5
Connectable Unit Capacity Class	BTU/h	14 to 21,000 <sup>1</sup>	14 to 27,000 <sup>1</sup>	27 to 39,000 <sup>1</sup>	34 to 54,000
Rated Capacity Cooling / Heating		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)
<b>Electrical</b>					
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
<b>Lineset Requirements</b>					
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)	262 (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 Gas 3/8 x 2	Liq. 1/4 x 3 Gas 1/2 x 1, 3/8 x 2	Liq. 1/4 x 4 Gas 1/2 x 1, 3/8 x 3	Liq. 1/4 x 5 Gas 1/2 x 2, 3/8 x 3
<b>Size &amp; Weight</b>					
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 combination and requires K9FZ1818  
<sup>1</sup>See table for allowed combinations within this connectable capacity range.



# 18, 24, 36,000 BTU/h XLTH MULTI-ZONE OUTDOOR UNITS



**XLTH**  
18, 24,000 BTU/h

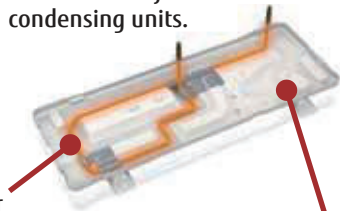


**XLTH**  
36,000 BTU/h

## AMBIENT HEATING TEMPERATURE DOWN TO -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 turns on so that any condensation doesn't freeze. Without a heater, freezing condensate can cause noise, damage to the outdoor unit and decrease 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 improved by adopting a large heat exchanger and a high capacity compressor.



## MULTI-ZONE EFFICIENCY

Model	Type	SEER	HSPF	EER	COP
AOU18RLXFZH	Non Ducted	21.5	10.3	13.5	3.79
	Ducted	19	9	12.4	3.6
	Mixed	20.3	9.7	13	3.7
AOU24RLXFZH	Non Ducted	20	10.3	13.3	4.04
	Ducted	18	9	12.1	3.87
	Mixed	19	9.7	12.7	3.96
AOU36RLXFZH	Non Ducted	20	10.3	13	4
	Ducted	18	9.3	12	3.88
	Mixed	19	9.8	12.5	3.93

Energy Star® Rated Combination

## SERVICE VALVES

AOU18RLXFZH / AOU24RLXFZH

The above units have (2) service valves for each zone.

**BENEFITS:**

- **Installation** – Allows for reduced installation time.
- **Service** – Allows for refrigerant isolation of each zone, if necessary.
- **Add Ons** – Ease of additional add-ons.

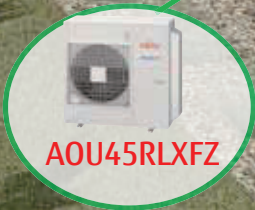
The AOU36RLXFZH does not have this feature.



# HIGH-HEAT AOU18RLXFZH, AOU24RLXFZH, AOU36RLXFZH

		AOU18RLXFZH ASU9+ASU9	AOU24RLXFZH ASU9+ASU7+ASU7	AOU36RLXFZH ASU9 x 4
<b>Performance</b>		<b>XLH</b>	<b>XLH</b>	<b>XLH</b>
Connectable Indoor Units		2	2 to 3	2 to 4
Connectable Unit Capacity Class	BTU/h	14,000 to 21,000	14,000 to 27,000	27,000 to 39,000
Rated Capacity Cooling/Heating	BTU/h	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)
<b>Electrical</b>				
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
<b>Lineset Requirements</b>				
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 Gas 3/8 x 2	Liq. 1/4 x 3 Gas 1/2 x 1, 3/8 x 2	Liq. 1/4 x 4 Gas 1/2 x 1, 3/8 x 3
<b>Size &amp; Weight</b>				
Net Weight	lbs. (kg)	134 (61)	146 (66)	205 (93)
Dimensions: Height	Inch	32-11/16	32-11/16	39-5/16
	mm	830	830	998
Width	Inch	35-7/16	35-7/16	38-3/16
	mm	900	900	970
Depth	Inch	13	13	14-9/16
	mm	330	330	370
Refrigerant		R410A	R410A	R410A









SLIM DUCT



WALL MOUNT

# WHOLE HOME SOLUTIONS

18, 24, 36, 45,000 BTU/H OUTDOOR HEAT PUMPS

- Connect 2 to 5 indoor units
- 58 to 120% connectable capacity
- Connect 14,000 to 54,000 total BTU/h

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



# ALLOWABLE COMBINATIONS

= Allowed "Connectable Capacity" combinations over 100% \*\*



AOU18RLXFZ  
**XLH**  
AOU18RLXFZH

Connect 2 indoor units

AOU18RLXFZ / AOU18RLXFZH		
ZONE 1	ZONE 2	TOTAL
7	7	14
7	9	16
7	12	19
9	9	18
9	12	21



AOU24RLXFZ  
**XLH**  
AOU24RLXFZH

Connect 2-3 indoor units

AOU24RLXFZ / AOU24RLXFZH			
ZONE 1	ZONE 2	ZONE 3	TOTAL
7	7	+	14
7	9	+	16
7	12	+	19
7	15		22
7	18		25
9	9	+	18
9	12		21
9	15		24
9	18		27
12	12		24
12	15		27
7	7	7	21
7	7	9	23
7	7	12	26
7	9	9	25
9	9	9	27



AOU36RLXFZ1  
**XLH**  
AOU36RLXFZH

Connect 2-4 indoor units

AOU36RLXFZH		
ZONE 1	ZONE 2	TOTAL
7	24 <sup>∞</sup>	31
9	24 <sup>∞</sup>	33
12	24 <sup>∞</sup>	36
15	24 <sup>∞</sup>	39

AOU36RLXFZ1 / AOU36RLXFZH				
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL
18*	18*			36
7	7	15	+	29
7	7	18	+	32
7	7	24		38
7	9	12	+	28
7	9	15	+	31
7	9	18		34
7	12	12	+	31
7	12	15		34
7	12	18		37
9	9	9	+	27
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
7	7	7	7	28
7	7	7	9	30
7	7	7	12	33
7	7	7	15	36
7	7	7	18 <sup>^</sup>	39
7	7	9	9	32
7	7	9	12	35
7	7	9	15	38
7	7	12	12	38
7	9	9	9	34
7	9	9	12	37
9	9	9	9	36
9	9	9	12	39

**CHOOSE AN OUTDOOR UNIT:**

Select either an 18, 24, 36 or 45,000 BTU/h 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 INDOOR UNITS:**



- ASUH07LPAS
- ASUH09LPAS
- ASUH12LPAS
- ASUH15LPAS<sup>∞</sup>
- ASUH18LPAS
- ASUH24LPAS



- ADUH07LUAS1
- ADUH09LUAS1
- ADUH12LUAS1
- ADUH18LUAS1
- ADUH24LUAS1



- ACUH07LUAS1
- ACUH09LUAS1
- ACUH12LUAS1
- ACUH18LUAS1



- AGU9RLF
- AGU12RLF
- AGU15RLF

**NOTE:** These tables are not for system capacity selection. Fujitsu 'Design Simulator' software should be used for Halcyon equipment selection

"+" represents available circuit for future expansion when connecting this combination.  
<sup>∞</sup> Optional kit UTP-MU45A2 is required to connect ASUH24LPAS.  
<sup>\*</sup> The optional kit "K9FZ1818 (UTP-MU36A2)" is necessary for dual zone system "18+18" with AOU36RLXFZ1 only.  
<sup>^</sup> Wall mounted type ASUH18LPAS cannot be connected in this combination using AOU36RLXFZ1. Combination allowed with AOU36RLXFZH.  
<sup>∞</sup> Actual rated cooling capacity of ASUH15LPAS is 14,000 BTU/h. Do not use combination table for system capacity calculations.



AOU45RLXFZ

Connect 2-5 indoor units

= Allowed "Connectable Capacity" combinations over 100% \*\*

AOU45RLXFZ		
ZONE 1	ZONE 2	TOTAL
12	24 <sup>∞</sup>	36
15	24 <sup>∞</sup>	39
18	18	36
18	24	42
24	24	48

AOU45RLXFZ			
ZONE 1	ZONE 2	ZONE 3	TOTAL
7	7	24	38
7	9	18	34
7	9	24	40
7	12	18	37
7	12	24	43
7	15	15	37
7	15	18	40
7	15	24	46
7	18	18	43
7	18	24	49
9	9	18	36
9	9	24	42
9	12	15	36
9	12	18	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
12	12	12	36
12	12	15	39
12	12	18	42
12	12	24	48
12	15	15	42
12	15	18	45
12	15	24	51
12	18	18	48
12	18	24	54
15	15	15	45
15	15	18	48
15	15	24	54
15	18	18	51
18	18	18	54

AOU45RLXFZ, con't				
ZONE 1	ZONE 2	ZONE 3	ZONE 4	TOTAL
7	7	7	15	36
7	7	7	18	39
7	7	7	24	45
7	7	9	12	35
7	7	9	15	38
7	7	9	18	41
7	7	9	24	47
7	7	12	12	38
7	7	12	15	41
7	7	12	18	44
7	7	12	24	50
7	7	15	15	44
7	7	15	18	47
7	7	15	24	53
7	7	18	18	50
7	9	9	9	34
7	9	9	12	37
7	9	9	15	40
7	9	9	18	43
7	9	9	24	49
7	9	12	12	40
7	9	12	15	43
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	12	12	12	45
9	12	12	15	48
9	12	12	18	51
9	12	15	15	51
9	12	15	18	54
12	12	12	12	48
12	12	12	15	51
12	12	12	18	54
12	12	15	15	54

AOU45RLXFZ, con't					
ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	TOTAL
7	7	7	7	7	35
7	7	7	7	9	37
7	7	7	7	12	40
7	7	7	7	15	43
7	7	7	7	18	46
7	7	7	7	24	52
7	7	7	9	9	39
7	7	7	9	12	42
7	7	7	9	15	45
7	7	7	9	18	48
7	7	7	9	24	54
7	7	7	12	12	45
7	7	7	12	15	48
7	7	7	12	18	51
7	7	7	15	15	51
7	7	7	15	18	54
7	7	9	9	9	41
7	7	9	9	12	44
7	7	9	9	15	47
7	7	9	9	18	50
7	7	9	12	12	47
7	7	9	12	15	50
7	7	9	12	18	53
7	7	9	15	15	53
7	7	12	12	12	50
7	7	12	12	15	53
7	9	9	9	9	43
7	9	9	9	12	46
7	9	9	9	15	49
7	9	9	9	18	52
7	9	9	12	12	49
7	9	9	12	15	52
7	9	12	12	12	52
9	9	9	9	9	45
9	9	9	9	12	48
9	9	9	9	15	51
9	9	9	9	18	54
9	9	9	12	12	51
9	9	9	12	15	54
9	9	12	12	12	54

**NOTE:** These tables are not for system capacity selection. Fujitsu 'Design Simulator' software should be used for Halcyon equipment selection

\*\*Exceeding 100% capacity match will not increase system output capacity



# ACCESSORY COMPATIBILITY

		SINGLE-ZONE SYSTEMS																															
		WALL MOUNTED																				FLOOR MOUNT											
		9RLZ	09LPAS1	09LMAS1	09LMAH1	09LEAS1	09LZAS1/LZAS1B	09LZAH1/LZAS1B	12RLZ	12LPAS1	12LMAS1	12LMAH1	12LEAS1	12LZAS1/LZAS1B	12LZAH1/LZAS1B	15LZAS1/LZAS1B	15LZAH1/LZAS1B	18LPAS1	18LMAS1	18LXFVH	24LPAS1	24LMAS1	24LXFVH	30LPAS1	30LXEH	36LPAS1	9RFF	9RFFH	12RFF	12RFFH	15RFF	15RFFH	
<b>REMOTE CONTROLS</b>																																	
UTY-RNBYU	Wired Remote Control																																
UTY-RNNUM	Wired Remote Control																				●			●		●		●	●	●	●	●	●
UTY-RVNUM	Wired Remote Control (Backlit)																			●			●		●		●	●	●	●	●	●	
UTY-RSNUM	Simple Remote Control 3-Wire																			●			●		●		●	●	●	●	●	●	
UTY-RSRY	Simple Remote Control 2-Wire	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
UTY-RHRY	Simple Remote Control 2-Wire	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
UTY-LNTU	Wireless Remote Control																																
UTY-RNRUZ Series	Wired Remote Control	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
UTY-XSZX	Remote Sensor																																
UTY-LBTUM	IR receiver kit w/ wireless remote controller																																
UTY-LBTUC	IR receiver kit w/ wireless remote controller																																
<b>WI-FI DEVICES</b>																																	
FJ-IR-WIFI-1NA	Wi-Fi Device: IR Wireless Module	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
FJ-RC-WIFI-1NA/1BT	Wi-Fi Device: Wired Module																			●5			●5		●		●5	●5	●5	●5	●5	●5	
FJ-AC-WIFI-1	Wi-Fi Device: Wired Module	●	●	●	●	●4	●4	●	●	●	●	●	●4	●4	●4	●4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
UTY-TFZXZ2	Wi-Fi Interface Module																			●			●		●		●	●	●	●	●	●	
UTY-TFSXZ2	Wi-Fi Interface Module																																
UTY-TFSXF1	Wi-Fi Interface Module		●	●	●	●	●8	●8	●	●	●	●	●	●8	●8	●8	●8	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
BP101WA	Cielo Breez Plus	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>INTERFACE KITS</b>																																	
UTY-XWZX	Dry Contact Wire Kit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		
UTY-XWZXZ5	Dry Contact Wire Kit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
UTY-XWZXZG	External Connect Kit																																
UTY-XWZXZJ	External Connect Kit																																
UTY-TWRXZ2	Communication Kit	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
UTY-XWZXZ3	Outdoor Unit Input/Output Connector																																
UTY-XCSXZ1	External input and output PCB																																
UTY-XCSXZ2	External input and output PCB	●	●	●	●	●4	●4	●	●	●	●	●	●	●4	●4	●4	●4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
UTZ-GXXB	Interface Kit Box																																
UTY-XCSX	External input and output PCB																																
UTZ-GXRA	External input and output PCB box																																
UTZ-GXEA	External input and output PCB box																																
UTZ-GXNA	External input and output PCB bracket																																
UTY-SHZXC	Human Sensor Kit																																
<b>FRESH AIR INTAKE KITS</b>																																	
UTZ-KXGC	High Humidity Insulation Kit																																
UTR-YDZB	Air Outlet Shutter Plate																																
UTZ-VXAA	Fresh Air Intake Kit																																
UTZ-VXRA	Fresh Air Kit																																
KHRS940-25	Fresh Air Intake																																
UTR-YDZK	Air Outlet Shutter Plate																																
<b>MISCELLANEOUS</b>																																	
FJ-AC-BAC-1L	BACnet Gateway	●	●	●	●	●4	●4	●	●	●	●	●	●4	●4	●4	●4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
FJ-RC-MBS-1	Modbus Module																			●5			●5		●		●5	●5	●5	●5	●5	●5	
UTY-VMSX	Modbus Gateway	●	●	●	●	●4	●4	●	●	●	●	●	●4	●4	●4	●4	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
UTY-TERX	External Switch Controller	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●5	●2	●2	●5	●2	●	●2	●5	●5	●5	●5	●5	●5	
UTY-TTRXZ1	24V Thermostat Interface	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●5	●2	●2	●5	●2	●	●2	●5	●5	●5	●5	●5	●5	
UTY-VTGX	Network Converter	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●2	●5	●2	●2	●5	●2	●	●2	●5	●5	●5	●5	●5	●5	
UTD-GXS(A/B/C)-W	Auto Louver Grille Kit																																
UTD-GXT(A/B/C)-W	Auto Louver Grille Kit																																
UTD-LFN(A/B/C)	Long-life Filter																																

1 If using UTY-RNBYU with these models you need to change the dip switch SW-1 to "ON". Refer to Tech Tip #028.  
 2 Requires accessory communication kit #UTY-TWRXZ2.

3 Wall mounted ASUH07, 09, 12, 15LPAS require accessory interface kit UTY-XCBXZ2 in order to connect these devices to them.



# AIRZONE

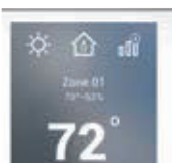
Compatible with most Halcyon and Airstage, 2-wire and 3-wire single zone systems.

## WHAT IS AIRZONE?

Airzone is an intelligent, communicating zoning system for Halcyon and Airstage ducted indoor units, featuring proportional, modulating dampers. Additional ductless and ducted single zone systems may be integrated for total HVAC control.

## HOW DOES IT WORK?

All Airzone dampers and optional Zone Modules are connected by a 4-wire cable, for power and communication. Dampers are positioned to provide optimum airflow into a zone based upon demand. The indoor unit fan is adjusted to meet the instantaneous sum of all calling zones.



Airzone VAF Wired Blueface Principal Controller White (AZVAFBLUEFACECB)



Airzone VAF Control Board with Fujitsu UART Communication Region 2 (AZVAFR2FU2)



Airzone VAF 8" Wired Intelligent Round Damper (AZVAFDAMPER08C)



Airzone VAF 8" Wireless Intelligent Round Damper (AZVAFDAMPER08R)

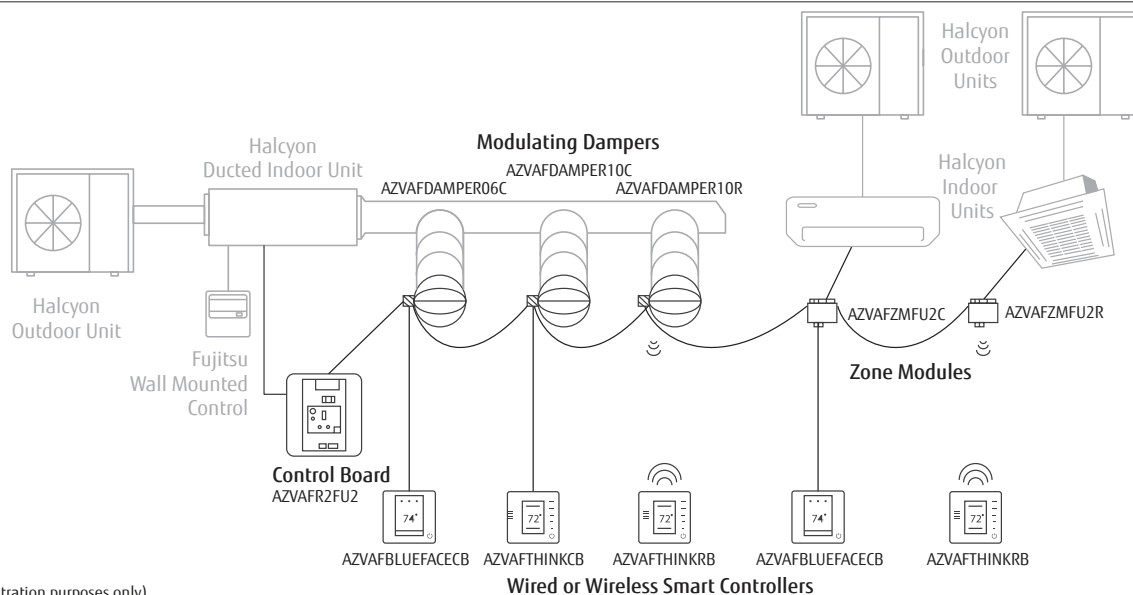
## BENEFITS

- An Airzone system can provide precisely delivered airflow into each zone, thus reducing excess equipment capacity.
- Provides ideal temperature control of each zone in your home or office.
- Built in communication gateways maximize Fujitsu Heat Pump inverter efficiency.
- Integrate single zone systems with the ducted, modulating damper system.
- Modulating dampers and proportional fan control eliminates the need for a bypass duct!

## FEATURES

- Control and monitor up to 10 individual zones.
- Adjustable minimum and maximum damper positions.
- Control of optional auxiliary heat of the ducted, zoned unit.
- Blueface Principal controller provides simple, single point temperature management of ALL zones!
- Wired and wireless dampers available. Size ranges from 6" to 14" in diameter.
- Flexible control up to 10 hydronic zones, as either primary or auxiliary heat.
- Flexible integration of modulating dampers and single zone units, with optional hydronic heating zones.

## CONNECTION DIAGRAM



(diagram for illustration purposes only)



# CONTROLS

## Wired Remote Control

UTY-RNNUM\*  
UTY-RNBYU^  
3-Wire

**Group Control**



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

**Group Control**



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

**Group Control**



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.

## Simple Remote Control

2-Wire  
UTY-RSRY

**Group Control**



Backlit 2-wire remote with built in temperature sensor. Offers set point adjustment in 1°F increments. Concentrates on basic functions such as start/stop, fan control, temperature setting and operation mode.

## Simple Remote Control

2-Wire  
UTY-RHRY

**Group Control**



Backlit 2-wire remote with built in temperature sensor. Offers set point adjustment in 1°F increments. Concentrates on basic functions such as Start/Stop, fan control, and temperature setting.

## Wired Remote (Touch Panel)

UTY-RNRUZ Series  
2-Wire

**Group Control**



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.

## Wireless Remote Control

UTY-LNTU

For Compact Cassettes.



## Central Controller

UTY-DMMUM  
3-Wire

This remote controls up to 5 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.



## Remote Sensor

UTY-XSZX

Wall mounted room temperature sensor for Slim Duct, Medium Static duct, and Multi Position AHU models. Replaces room temperature sensor in the return when installed while still allowing for temperature correction.



## IR Receiver Kit

UTY-LBTUM

For Medium Static Duct, Slim duct, and Multi Position AHU units. Includes a wireless remote control and receiver.



## IR Receiver Kit

UTY-LBTUC

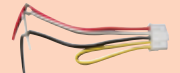
For Large Circular Flow Cassettes. Includes a wireless remote control and receiver.



## Plug Model

UTY-WIFI

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



**Group Control:** With this feature, multiple evaporators can be 'daisy-chained' together on one single remote control. With multiple, single zone systems, Group Control provides the ability of all indoor units to be operated from a single remote control. Group Control may be used on a single, multizone system, however multiple, multizone system indoor units cannot be grouped together. Single and multizone systems cannot be combined for a single Group Control. For additional information, see Engineering Bulletin # 036 and/or 037.



^ 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.

## WI-FI DEVICES

See compatibility table, page 13.

### IR Wireless Module

Model: FJ-IR-WIFI-1NA  
Works with Intesis AC Cloud Control® app



### Wired Module

Model: FJ-AC-WIFI-1  
Works with Intesis AC Cloud Control® app



### Wired Module

Model: FJ-RC-WIFI-1NA/1BT  
Works with Intesis AC Cloud Control® app



### SAMPLE WI-FI APP SCREEN DISPLAYS



Intesis AC Cloud Control®



FGLair®

### Wi-Fi Module

Model: UTY-TFNXZ2  
Works with FGLair® app (Room temp DOES NOT display in FGLair app)



### Wi-Fi Module

Model: UTY-TFSXZ2  
UTY-TFSXF1  
Works with FGLair® app (Room temp DOES display in FGLair app)



## ADDITIONAL CONTROLS

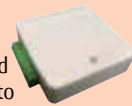
### Network Converter

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.



### 24V Thermostat Interface

UTY-TTRXZ1  
Control Halcyon products<sup>1</sup> using a third party thermostat. Up to 16 indoor units can be connected as a group to one thermostat convertor.



### Modbus Converter

UTY-VMSX  
Control and monitor systems over Modbus RTU.



### BACnet Module

FJ-AC-BAC-1L  
Control and monitor systems over BACnet MSTP



### Modbus Gateway

FJ-RC-MBS-1  
Control and monitor systems over Modbus RTU.



1: NOT compatible with models ABU18/24RULX, ABU36RSLX, AUU18/24/36/42RCLX.

## INTERFACE KITS

### Human Sensor Kit

UTY-SHZXC  
For large circular cassette.



### Communication Kit

UTY-TWRXZ2  
Required to connect ASU09, 12LMAS, and ASU09, 12, 15LZAS to Wired Remotes UTY-RNRUZ Series, UTY-RSRY, UTY-RHRY, UTY-TTRXZ1 24V Thermostat Interface, and Dry Contact Wire Kit UTY-XWZXZ5.



## FRESH AIR INTAKE KITS

### High Humidity Insulation Kit

UTZ-KXGC  
Compatible with Compact Cassette. Additional insulation which may be needed when cassettes are installed in high humidity areas.



### Fresh Air Intake Kit

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



### Fresh Air Intake Kit

KHRS940-25  
Fresh air kit for RULX/RSLX systems. Kit contains Current Sensor with Built-in Relay and Switching Power Supply. Requires field supplied ductwork and a fan capable of generating 15 CFM at a static pressure of approximately 0.26" WC.



### Air Outlet Shutter Plate

UTR-YDZK  
Compatible with Large Cassette. Install in a single outlet, to provide a 3-way airflow pattern. Only one supply air outlet can be blocked at a time.



### Air Outlet Shutter Plate

UTR-YDZB  
Compatible with Compact Cassette. In a 3-way air flow configuration an Air Outlet Shutter Plate kit is required to block air flow of 1 louver.



### Fresh Air Kit

UTZ-VXRA  
For Large Cassette units. Mixes room air then passes it through a heat exchanger. Allows for a 4-inch flex duct connection. Allows up to 10% if high airflow volume.



MISCELLANEOUS

**3-Pole Single Throw Safety Switch**

K3PST

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



**R410A Swivel Adapter**

K9R410A55

In order to minimize incorrect charging of systems with R410A Fujitsu uses a different access port. Contractors will need this 55-degree swivel access fitting. not compatible with AOU45RLXFZ.



**Adapter Kit**

UTP-MU45A2

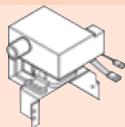
For 2 unit combination system Changes liquid pipe size from 1/4" to 3/8". Used for specific ASUH24LPAS mutli-zone combinations. Reference combination tables for details.



**Condensate Pump**

UTR-DPB24T

OEM design plugs into factory harness for ease of installation. Rated for 11.8" of vertical lift. Only used with System 36RSLX.



**18+18 Combo Fittings Kit**

K9FZ1818 (UTP-MU36A2)

Allows two 18k indoor units to be used on an outdoor AOU36RLXFZ1. Requires special piping; limited to only 18,000 BTU models. Total BTU capacity is limited to 31,600 BTU in cooling. The kit upsizes linesets to 3/8" and 1/2".



**Auto Louver Grille Kit**

UTD-GX(S/T)A-W (for ADUH7/9/12)  
UTD-GX(S/T)B-W (for ADUH18)  
UTD-GX(S/T)C-W (for ADUH24)

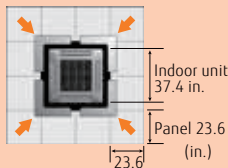
Auto Louver provides comfortable airflow and blends in with various interiors. Grille can be connected either directly to indoor unit or through the rectangular duct. Only compatible with ARU models with serial numbers greater than 2000.



**Wide Panel**

UTG-AKXA-W

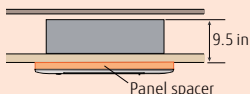
Compatible with Large Cassette. Hides the gap between the ceiling hole and the cassette grille.



**Panel Spacer**

UTG-BKXA-W

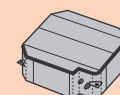
Compatible with Large Cassette. If there is not enough height in the ceiling space, by inserting this spacer between the cassette grille and the ceiling surface, the height of the body goes into the ceiling space becomes 2 in. (50mm) lower.



**High Humidity Insulation Kit**

UTZ-KXRA

Compatible with Large Cassette. Install when the under-roof humidity is over 80% and the temperature is over 86 °F (30 °C)



**Wind Baffles**

Ensure continued operation during high wind conditions, especially with roof-mounted units. Wind Baffles prevent nuisance stoppage of outdoor unit, if wind gusts reverse fan rotation while the fan motor is off. Reference Wind Baffle chart below.



**Electric Heater Kit**

RXBH-1724\*\*\*-A Series

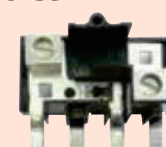
Compatible with AMUG24, 30, 36, 48LMAS Reference multi-position AHU documentation for compatibility.



**Electric Heater Jumper Bar**

RXBJ-A21

Required for electric heater kit 13kW and above.



WIND BAFFLE COMPATIBLE UNITS

HALCYON MODEL	WIND BAFFLE MODEL
AOU9RL2	UTZ-DUWBCA
AOU12RL2	
AOUH09LMAS1	UTZ-DUWBG2A
AOUH12LMAS1	
AOUH09LMAH1	
AOUH12LMAH1	
AOUH09LUAS1	
AOUH12LPAS1	
AOUH12LZAS1	
AOUG09LZAS1	UTZ-DUWBG3A
AOUG12LZAS1	
AOUG15LZAS1	
AOUG09LZAH1	
AOUG12LZAH1	
AOUG15LZAH1	
AOUH12LUAS1	
AOUH18LUAS1	
AOUH18LPAS1	
AOUH24LPAS1	
AOU45RLXFZ	UTZ-DUWBUA
AOU36RLXFZH	
AOUG36LMAS1	
AOUG48LMAS1	UTZ-DUWBYA*
AOU30RLXEH	
AOU42RGLX	
AOU48RGLX	

HALCYON MODEL	WIND BAFFLE MODEL
AOU18RLXFWH	UTZ-DUWBVWA
AOU24RLXFWH	
AOU18RLX	
AOU24RLX	
AOU36RLX	
AOU18RLXFZH	
AOU24RLXFZH	
AOU36RLXFZ1	
AOU18RGLX	
AOU24RGLX	
AOU30RGLX	
AOU36RGLX	
AOU18RLXFZ	
AOU24RLXFZ	

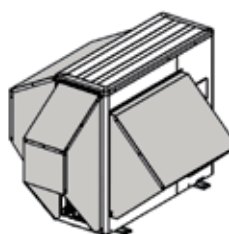
\*Please note that these ship with 2 wind baffle units.

NOTE: Wind baffles do not extend low ambient cooling capacities. Please refer to Application Buletin AH20201101A for best practices regarding wind baffle usage.

SNOW HOOD COMPATIBLE UNITS

HALCYON MODEL	SNOW HOOD MODEL
AOU9RL2	UTZ-DUSHCA
AOU12RL2	
AOUH09LMAS1	UTZ-DUSHG2A
AOUH12LMAS1	
AOUH09LUAS1	
AOUH12LPAS1	UTZ-DUSHG3A
AOUG09LZAS1	
AOUG12LZAS1	
AOUG15LZAS1	
AOUG09LZAH1	
AOUG12LZAH1	
AOUG15LZAH1	
AOUH12LUAS1	
AOUH18LUAS1	
AOUH18LPAS1	
AOUH24LPAS1	UTZ-DUSHVA
AOU18RLXFZ	
AOU24RLXFZ	

HALCYON MODEL	SNOW HOOD MODEL
AOU18RLXFWH	UTZ-DUSHWA
AOU24RLXFWH	
AOU18RLX	
AOU24RLX	
AOU36RLX	
AOU18RLXFZH	
AOU24RLXFZH	
AOU36RLXFZ1	UTZ-DUSHUA
AOU18RGLX	
AOU24RGLX	
AOU30RGLX	
AOU45RLXFZ	UTZ-DUSHYA
AOU36RLXFZH	
AOUG36LMAS1	
AOUG48LMAS1	



Prevent snow from accumulating inside the outdoor unit and causing performance issues.



# LINESET SIZES AND LENGTHS - SINGLE ZONE

	SINGLE-ZONE SYSTEMS																														
	WALL MOUNTED																									FLOOR MOUNT					
	9RLZ	09LPAS1	09LMAS1	09LMAH1	09LEAS1	09LZAS1	09LZAH1	12RLZ	12LPAS1	12LMAS1	12LMAH1	12LEAS1	12LZAS1	12LZAH1	15LZAS1	15LZAH1	18LPAS1	18LMAS1	18RLXFWH	24LPAS1	24LMAS1	24RLXFWH	30LPAS1	30RLXEH	36LPAS1	9RLFF	9RLFFH	12RLFF	12RLFFH	15RLFF	15RLFFH
3/8" x 1/4"	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
1/2" x 1/4"															•	•	•			•										•	•
5/8" x 3/8"																		•	•		•	•	•	•	•						
Total System																															
Max. Combined Pipe Length ft (m)	66 (20)	66 (20)	66 (20)	66 (20)	25 (7.5)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	25 (7.5)	66 (20)	66 (20)	66 (20)	66 (20)	164 (50)	164 (50)	66 (20)	165 (50)	164 (50)	164 (50)	246 (75)	164 (50)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	
Max. Pre-charge Lineset length ft (m)	49 (15)	49 (15)	49 (15)	49 (15)	25 (7.5)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	25 (7.5)	49 (15)	49 (15)	49 (15)	49 (15)	66 (20)	66 (20)	49 (15)	66 (20)	66 (20)	66 (20)	66 (20)	66 (20)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	49 (15)	
Min. Lineset Length ft (m)	10 (3)	16 (5)	16 (5)	16 (5)	6.5 (2)	16 (5)	16 (5)	10 (3)	16 (5)	16 (5)	16 (5)	6.5 (2)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	10 (3)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	10 (3)	

	SINGLE-ZONE SYSTEMS																												
	COMPACT CASSETTE			SLIM DUCT			MEDIUM STATIC DUCTED						MULTI-POSITION AIR HANDLER						UNIVERSAL FLOOR / CEILING			CIRCULAR FLOW LARGE CASSETTE							
	09LUASTC	12LUASTC	18LUASTC	09LUASTD	12LUASTD	18LUASTD	12LUASTR	18RGLXD	24RGLXD	30RGLXD	36RGLXD	42RGLXD	48RGLXD	24RGLXM	30RGLXM	30LUAH1M	36LMAS1	36LMAH1M	48LMAS1	48LMAH1M	18RULX	24RULX	36RSLX	18RGLXC	24RGLXC	30RGLXC	36RGLXC	42RGLXC	48RGLXC
1/4" x 3/8"	•	•		•	•		•																						
1/4" x 1/2"			•			•		•													•			•					
3/8" x 5/8"								•	•	•	•	•	•	•	•	•	•	•	•	•		•	•		•	•	•	•	•
Total System																													
Max. Combined Pipe Length ft (m)	66 (20)	66 (20)	98 (30)	66 (20)	66 (20)	98 (30)	66 (20)	164 (50)	164 (50)	164 (50)	164 (50)	246 (75)	246 (75)	164 (50)	164 (50)	246 (75)	230 (70)	246 (75)	230 (70)	246 (75)	164 (50)	164 (50)	164 (50)	164 (50)	164 (50)	164 (50)	164 (50)	246 (75)	246 (75)
Max. Pre-charge Lineset length ft (m)	49 (15)	49 (15)	66 (20)	49 (15)	49 (15)	66 (20)	49 (15)	66 (20)	66 (20)	66 (20)	66 (20)	98 (30)	98 (30)	66 (20)	66 (20)	98 (30)	98 (30)	98 (30)	98 (30)	98 (30)	49 (15)	49 (15)	49 (15)	66 (20)	66 (20)	66 (20)	66 (20)	98 (30)	98 (30)
Min. Lineset Length ft (m)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)	16 (5)



## LINE SET SIZES AND LENGTHS - MULTI-ZONE

	MULTI / FLEX ZONE MODELS - INDOOR UNITS																	
	WALL MOUNTED						FLOOR MOUNT			SLIM DUCT			COMPACT CASSETTE					
	ASUH07LPAS	ASUH09LPAS	ASUH12LPAS	ASUH15LPAS	ASUH18LPAS	ASUH24LPAS	AGU9RLF	AGU12RLF	AGU15RLF	ADUH07LUAS1	ADUH09LUAS1	ADUH12LUAS1	ADUH18LUAS1	ADUH24LUAS1	ACUH07LUAS1	ACUH09LUAS1	ACUH12LUAS1	ACUH18LUAS1
1/4" x 3/8"	•	•	•				•	•		•	•	•			•	•	•	
1/4" x 1/2"				•	•	•			•				•					•
1/4" x 5/8"													•					
3/8" x 1/2"																		
<b>Each Indoor Unit</b>	Minimum and maximum pipe lengths for multi-zone units are found on page 63 and page 65.																	

MULTI / FLEX ZONE MODELS - OUTDOOR UNITS						
AOU18RLXFZ	AOU18RLXFZH	AOU24RLXFZ	AOU24RLXFZH	AOU36RLXFZ1*	AOU36RLXFZH^	AOU45RLXFZA

Total System							
Max. Lineset Length ft (m) (Total)	164 (50)	164 (50)	164 (50)	230 (70)	230 (70)	230 (70)	262 (80)
Max. lineset length (Pre-charge) ft (m)	98 (30)	98 (30)	98 (30)	98 (30)	164 (50)	164 (50)	164 (50)
Min. Lineset Length ft (m) (Total)	49 (15)	49 (15)	49 (15)	49 (15)	66 (20)	49 (15)	49 (15)

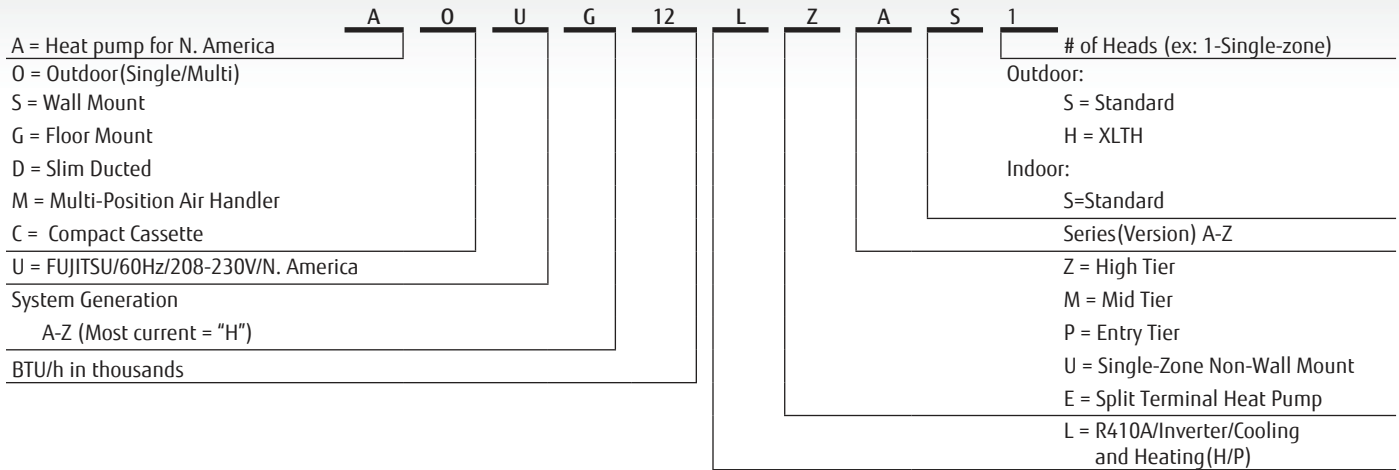
\* 18 + 18 indoor unit combination allowed with AOU36RLXFZ1 requires kit K9FZ1818 (UTP-MU36A2).

^ In some cases, UTP-MU45A2 is required to connect ASUH24LPAS to outdoor unit. Reference combination tables for specific instances.

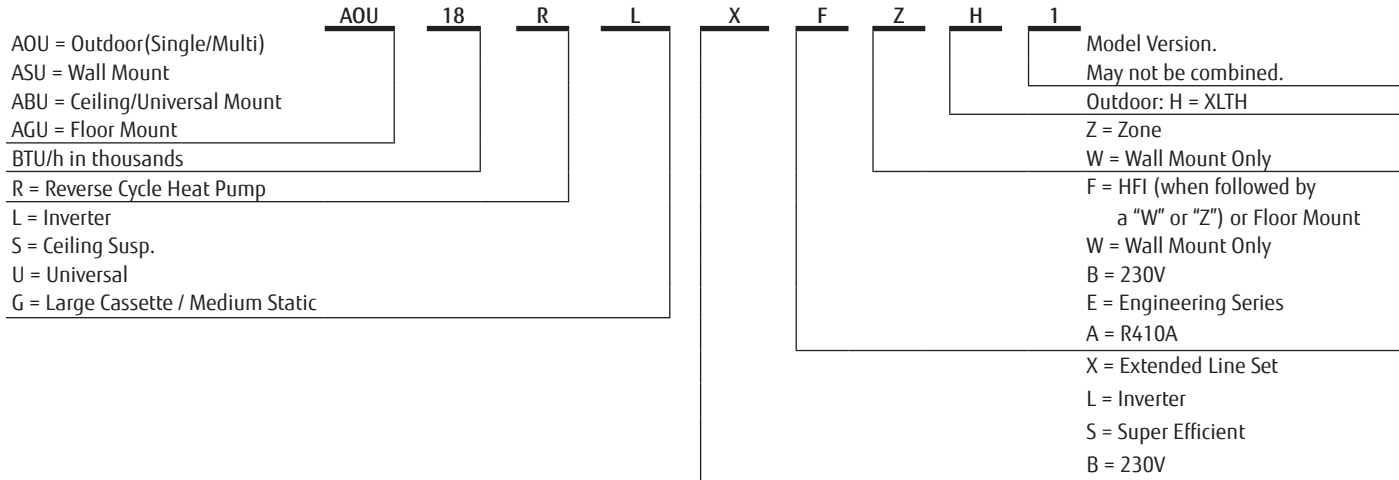


## FUJITSU MODEL NOMENCLATURE

### "Next Generation" models



### Legacy models





# THINGS TO KNOW BEFORE YOU BUY A FUJITSU SYSTEM

## COMPLETE SYSTEM WARRANTY

Standard warranties vary depending on model:



6 Year Compressor / 2 Year Parts warranty OR



7 Year Compressor / 5 Year Parts warranty.

Extended warranties include:



10 Year Compressor/Parts warranty for Halcyon systems that have been installed by a licensed contractor and the online Product Registration\* has been submitted.



12 Year Compressor/Parts warranty for Halcyon systems that have been installed by an Elite Contractor and the online Product Registration\* has been submitted.

Systems must be registered within 60 days of installation for extended warranty.

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

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

For full details, see Halcyon Warranty Statement.

## TRADEMARKS

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## NON-INTERNET RETAIL POLICY

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

## NOTE

- Condensing units come pre-charged from factory. Additional refrigerant may be required, be sure to check installation manual for more details.
- Cooling capacity is based on the following conditions:  
Indoor temperature: 80°F DB/67°F WB (26.7°C DB/19.4°C WB)  
Outdoor temperature: 95°F DB/75°F WB (35°C DB/23.9°C WB)
- Heating capacity is based on the following conditions:  
Indoor temperature: 70°F DB (21.1°C DB)  
Outdoor temperature: 47°F DB/43°F WB (8.3°C DB/6.1°C WB)

# THINGS TO KNOW BEFORE YOU INSTALL A FUJITSU SYSTEM

## WARNING

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

## HEAT PUMP DISCLAIMER

In most climates a heat pump will handle all of your heating needs. However, this system sometimes requires some other additional source of heat to satisfy heating requirements in the coldest environments. Almost all of Fujitsu's heat pumps use inverter technology and as such offer a wider operating range and more heat capacity than a standard heat pump but will not provide adequate heating if improperly sized or operated outside of its operating range. Specifications vary by model; please consult your contractor before choosing a heat pump as your only source of heat.

Systems will maintain temperature up to +/-4 degrees relative to set temperature. To increase energy efficiency on multi-type systems, you should turn off the evaporators when heating or cooling is not needed.

## DISCLAIMER

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

## CERTIFICATIONS

### ISO

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



Intertek

- ISO9001
- ISO14001

### ASTM

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

### RoHS COMPLIANT

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



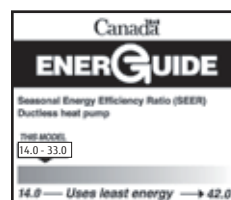
### AHRI ENERGY GUIDE® PROGRAM (U.S.)

To view AHRI numbers or Energy Guide labels, please go to [www.ahridirectory.org](http://www.ahridirectory.org).



### HRAI ENERGY GUIDE® PROGRAM (CANADA)

Samples:



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 30%
- Central air quotes give you sticker shock
- Want to reclaim attic and closet space occupied by 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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