

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

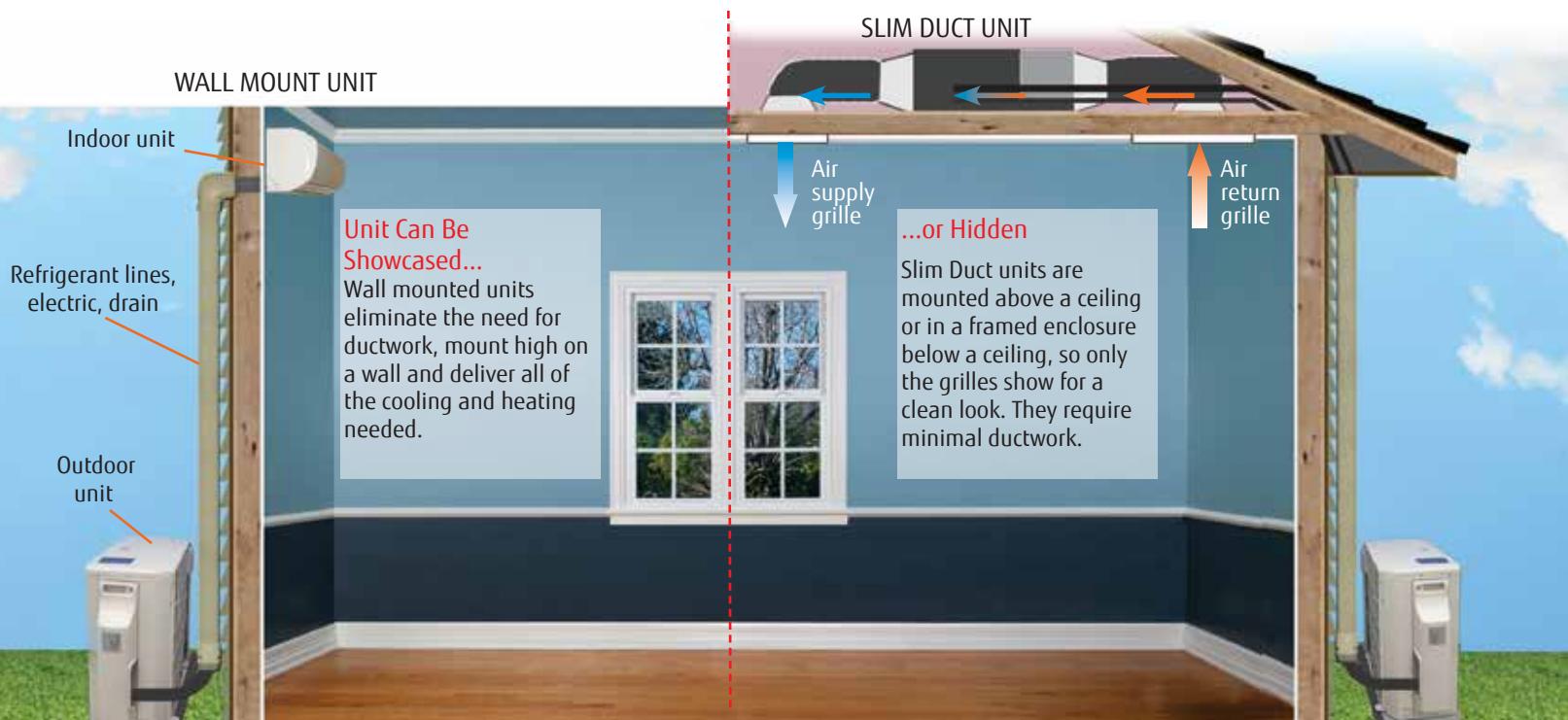
WHAT IS A MINI-SPLIT?

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?

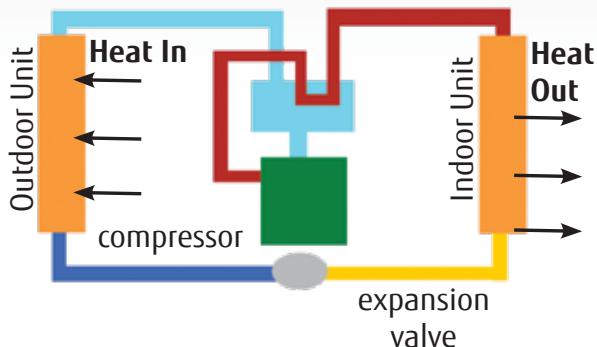
A heat pump uses electricity to pump refrigerant and transfer heat energy from one space to another. In the summer, heat energy from inside is absorbed and released outdoors. In the winter, heat energy is absorbed from the outside air and released inside.



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.

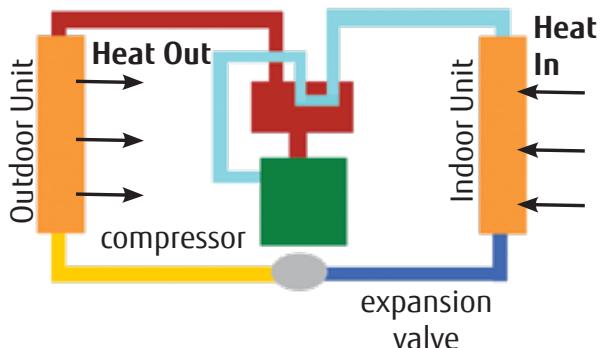
BASIC HEAT PUMP CONFIGURATION



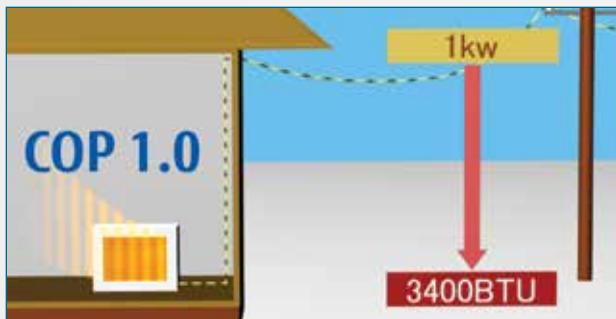
AIR CONDITIONERS PROVIDE COOLING WHEN IT'S WARM

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.

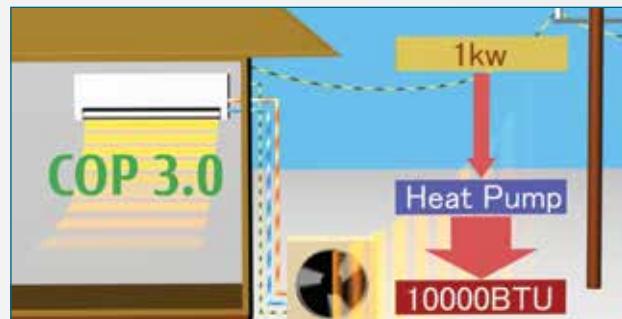
BASIC AIR CONDITIONER CONFIGURATION



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.

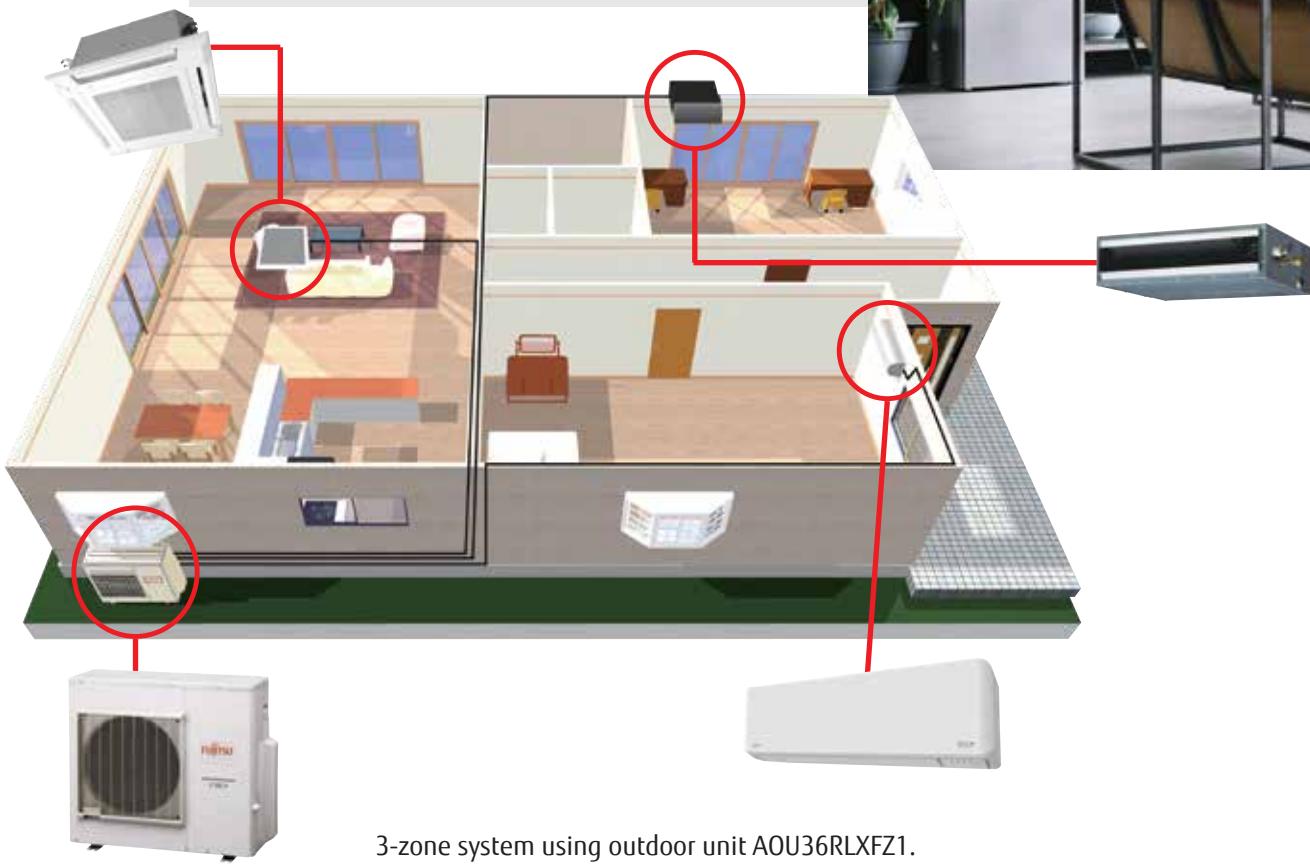


- Each indoor unit can be operated independently via remote control
- Choose from a variety of indoor unit styles
- Provide both heating and cooling (not simultaneously)
- High energy efficiencies
- Quiet operation

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.

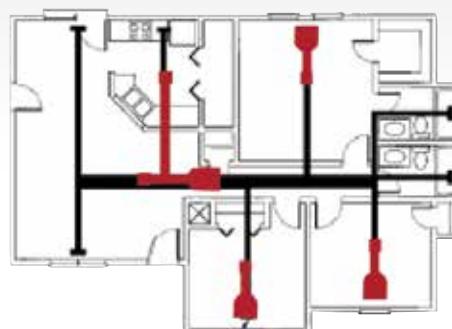
- Wired or wireless remote control options
- Powerful turbo fan operation
- Fits into a standard 2' x 2' ceiling grid

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.



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.

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.



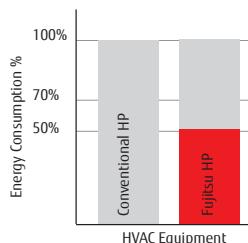
OTHER APPLICATIONS

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.

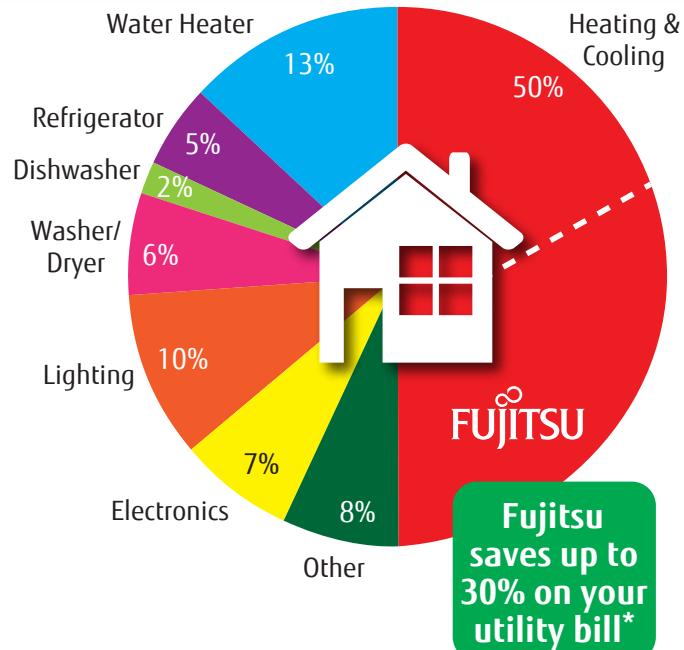
www.fujitsugeneral.com

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.



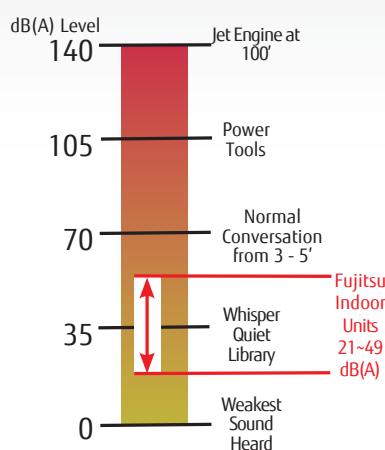
Fujitsu
saves up to
30% on your
utility bill*



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

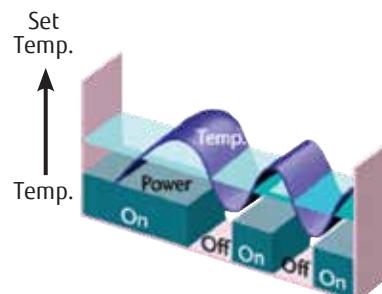
USER FRIENDLY CONTROL

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.

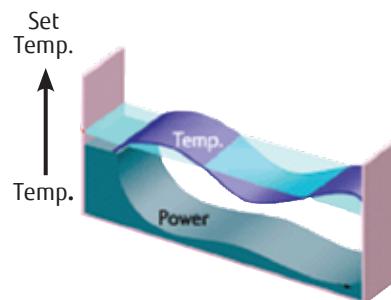


Optional Wired Remote
UTY-RNRUZ Series

Standard Wireless Remote for select systems



Conventional System



Inverter System



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

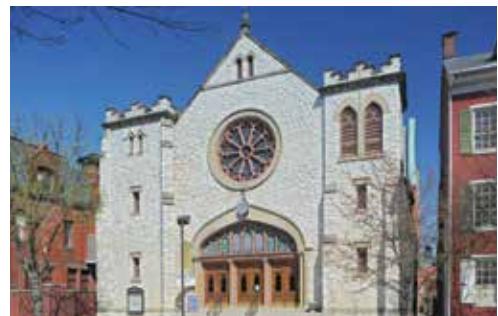
Hotels and motels

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

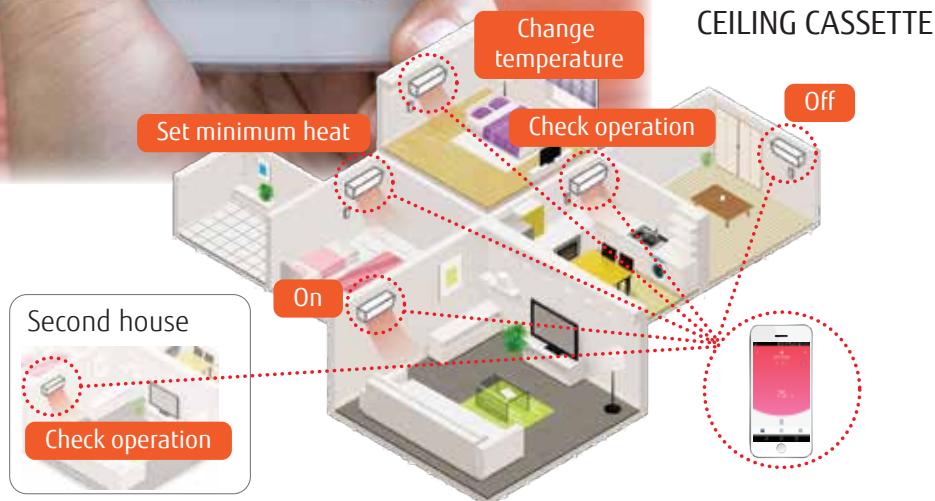


USER FRIENDLY INTERFACE

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



Download on the
App Store



GET IT ON
Google Play

*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"> • On/Off • Change Mode • Change Temp Setpoint • Fan Speed <p>NOTE: Room temperature display only available with LZAS1, LZA1H units and UTY-TFSXZ2 or UTY-TFSXF1.</p> | | | <ul style="list-style-type: none"> • Louver/Swing Position • Weekly Timer • Economy Setting • Emailed Error Alerts <ul style="list-style-type: none"> • On/Off • Change Mode • Change Temp Setpoint • Fan Speed • Room Temp (available on FJ-AC-WIFI-1) • Voice Control / IFTTT • Can be used in conjunction with Wired Controls | | |
| 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 | Mounts inside unit case | Up to 20' away from IDU | On the wall next to IDU | On the wall next to IDU |
|---|-------------------------|--------------------------------------|---|-----------------------------|---|---|
| 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 ² | 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 | DUCTED: | | ASU 18 / 24RLF | AGU 9 / 12 / 15RLF ² |
| NOTE: UTY-TFNXZ2 cannot be installed in conjunction with Wired Remote Controls. | | ADUH 07 / 09 / 12 / 18 / 24 LUAS1 | | | ASU30RLE | ASU30RLE |
| | | ARUH12LUAS | | | ASUH 07 / 09 / 12 / 15 / 18 / 24 / 30 / 36 LPAS | UNIVERSAL / CEILING: |
| | | ARU18 / 24 / 30 / 36 / 42 / 48 RGLX | | | ABU18 / 24 RULX | ACUH 07 / 09 / 12 / 18 LUAS1 |
| | | AMUG 24 / 30 / 36 / 48 LMAS | | | ASU9/12RL2 | ABU36RSLX |
| DUCTED: | | | | | | |
| CASSETTES: | | | | | | |
| AUU 18 / 24 / 30 / 36 / 42 / 48 RGLX ³ | | | | | | |
| ACUH 07 / 09 / 12 / 18 LUAS1 | | | | | | |
| DUCTED: | | | | | | |
| ADUH 07 / 09 / 12 / 18 / 24 LUAS1 ⁴ | | | | | | |
| ARUH12LUAS | | | | | | |
| ARU18 / 24 / 30 / 36 / 42 / 48 RGLX ⁴ | | | | | | |
| AMUG 24 / 30 / 36 / 48 LMAS ⁴ | | | | | | |
| FLOOR MOUNTS: | | | | | | |
| AGU 9 / 12 / 15RLF | | | | | | |
| UNIVERSAL / CEILING: | | | | | | |
| ABU 18 / 24RULX | | | | | | |
| ABU36RSLX | | | | | | |
| DUCTED: | | | | | | |
| ARUH12LUAS | | | | | | |
| ARU 18 / 24 / 30 / 36 / 42 / 48RGLX | | | | | | |
| ADUH 07 / 09 / 12 / 18 / 24 LUAS1 | | | | | | |
| AMUG 24 / 30 / 36 / 48 LMAS | | | | | | |

¹requires UTY-XCBXZ2 ²requires UTY-WIFI ³Requires UTY-LBTUC ⁴Requires UTY-LBTUM

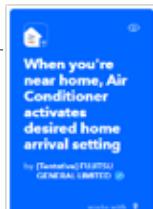
VOICE CONTROL FOR YOUR FUJITSU HALCYON SYSTEM USING AMAZON ECHO OR GOOGLE HOME

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.

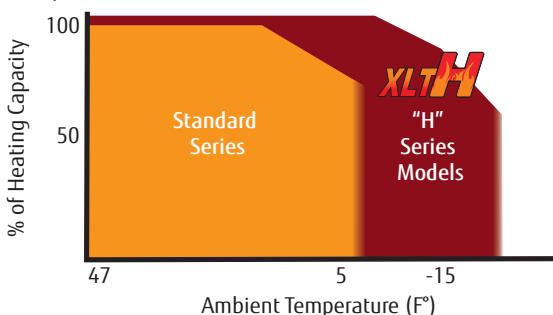
Fujitsu's line of mini-split heat pumps are available in different sizes, styles, and rated outdoor temperatures. The Extra Low Temperature Heating (**XLTH**) Series features outdoor condensing units engineered to operate in temperatures down to -15°F.



Without the right technology, condense 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.



HIGH PERFORMANCE HEATING

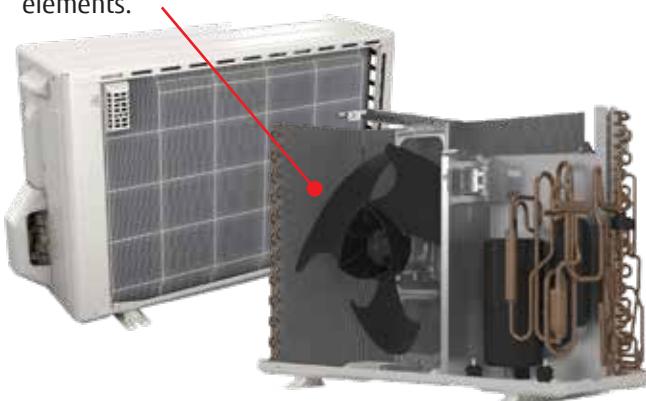
Fujitsu XLTH units feature a high efficiency, multi-layer heat exchanger and high capacity compressor. This gives our XLTH heat pumps the ability to extract heat even at very low outdoor temperatures. All XLTH models offer superior heating performance down to -15°F outdoor temperatures.



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

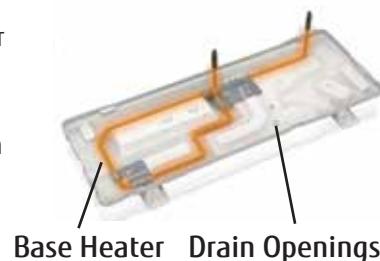
METAL FAN GUARD

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



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 hydrophytic 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.

SYSTEM FEATURE SUMMARY

| | SINGLE-ZONE HEAT PUMPS | | | | | | | | | | | | | | | | | |
|------------------------------------|------------------------|---|---|---|---|---|---|---|---|---|---|---|-------------|---|---|---|---|---|
| | WALL MOUNT | | | | | | | | | | | | FLOOR MOUNT | | | | | |
| Economy Mode | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Energy Saver | | | | | | | | | | | | | | | | | | |
| Energy Saving Pgm (ESP) | | | | | | ● | ● | | | | | | | | | ● | | |
| ENERGY STAR® Qualified | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Minimum Heat Mode | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Auto Changeover | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Auto Fan Mode | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Auto Louver: 4 Way | | | | | | ● | ● | | | | | | | | | | | |
| Auto Louver: Up/ Down | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Auto Restart | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Dry Mode | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Fresh Air Intake | | | | | | | | | | | | | | | | | | |
| Outdoor Unit Low Noise | | | | | | ● | ● | | | | | | | | | ● | | |
| Powerful Operation | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Quiet Mode (Indoor Unit) | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| 24 Hour Timer | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Sleep Timer | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Weekly Timer | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | □ | □ | □ |
| Apple Catechin Filter | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Cold Air Prevention | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Expanded Htg. Performance | | | | | | ● | ● | | | | | | | | | ● | | |
| High Ceiling Mode | | | | | | | | | | | | | | | | | | |
| Ion Deodorizing Filter | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Pump Down Operation | | | | | | | | | | | | | | | | ● | | |
| Remote Temp. Sensor | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Third Party Device Control | ● | ● | ● | ● | ● | ○ | ○ | ● | ● | ○ | ○ | ○ | ○ | ● | ● | ● | ● | ● |
| 0° Low Ambient Clg. | | | | | | | | | | | | | | | | | | |
| -5° Low Ambient Clg. | | | | | | | | | | | | | | | | ● | ● | ● |
| Base Pan Heater | | ● | | | ● | | | ● | | ● | | ● | | ● | | ● | ● | ● |
| Blue Fin Coil Protection | | | | | | | | | | | | | | | | ● | ● | ● |
| Hydro Fin | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Branch Duct Capable | | | | | | | | | | | | | | | | | | |
| Built-In Condensate Pump | | | | | | | | | | | | | | | | | | |
| Daisy Chain | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| Long Piping Length (164'+) | | | | | | | | | | | | | | | | ● | ● | ● |
| Slender Fit | | | | | | | | | | | | | | | | | | |
| Warranty: 6 Yr Comp / 2 Yr Parts | | | | | | | | | | | | | | | | | | |
| Warranty: up to 12 Yr Comp / Parts | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

- Available only with optional wired remote control.
 - Available only with optional wired remote controller and optional Communication Kit.
 - ▽ Available only with optional part UTY-SHZXC
 - ▲ Available only with optional wireless remote control.
 - Available only with optional External Input/Output PCB Kit.
 - ▼ Available only with optional louver grille UTD-GXS(A/B/C)-W or UTD-GXT(A/B/C)-W
 - ◆ Available only with optional Fresh Air Intake Kit.

* See bottom of page 62 and page 64 for qualifying combinations.

⁺ SEER and HSPF ratings depend on combination of indoor units and outdoor unit selected.

+ Auto Changeover is not designed to provide rapid changes between heating and cooling operation or simultaneous heating and cooling. This feature is not recommended for systems with more than one indoor unit unless all indoor units have similar heating and cooling requirements and have similar temperature set points. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.

- 1 Standard warranty is 5 year Parts / 7 year Compressor. 12 year Compressor/Parts warranty applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

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 | | | | |
| | XLT^H 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 | | | |
| | XLT^H 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 / AOU9RLF |  ★ 14°F -5°F AGU12RLF / AOU12RLFF |  ★ 14°F -5°F AGU15RLF / AOU15RLFF | | | | |
| XLT^H 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 | | | | | | | | |
| XLT^H Multi-Position Air Handler | | | | | | | | |
| Universal Mount / Ceiling Only | | | | | ★ 0°F 14°F ABU18RULX / AOU18RLX | | | |
| Large Cassette Circular Flow | | | | |  ★ -5°F -5°F AUU18RGLX / 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 / AOUG36LMAS1 | | 14°F -5°F AMUG48LMAS / AOUG48LMAS1 |
| | | | | | |
| | | -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 AUU24RGLX / AOU24RGLX | -5°F -5°F AUU30RGLX / AOU30RGLX | -5°F -5°F AUU36RGLX / AOU36RGLX | -5°F -5°F AUU42RGLX / AOU42RGLX | -5°F -5°F AUU48RGLX / 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 |  XLTH ★ + 14°F -15°F AOU18RLXFZ |  XLTH ★ + 14°F -15°F AOU24RLXFZ |  XLTH ★ + 14°F -15°F AOU36RLXFZ | |
| 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

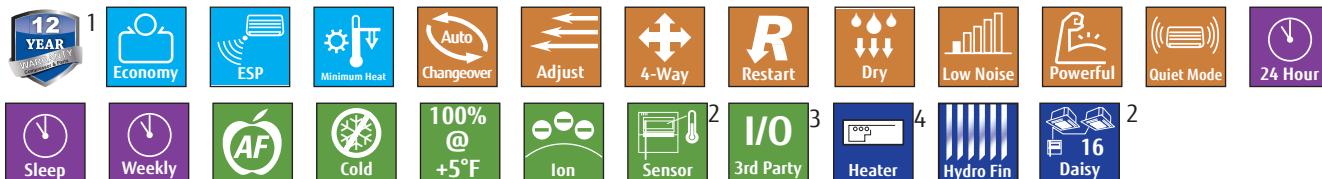
- Extensive lineup from 9,000 to 48,000 BTU
- 32 different systems available in 7 indoor unit styles
- Energy efficient systems with SEER ratings as high as 33.1 and HSPF as high as 14.2
- 29 ENERGY STAR® qualified systems

- 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 XLT-H 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

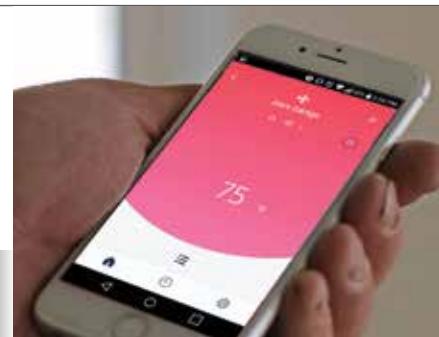
settings are reverted to the user defined settings in order to maintain comfort.

HIGH PERFORMANCE HEATING

The LZAS1 model can operate down to -5°F. The LZAH1 can operate efficiently down to -15°F. See the full **XLT-H** 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



| Performance | | | | | | | | XTH | XTH | XTH | | |
|---|-------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------|
| 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% | | | | | |
| Fan (Cooling Mode) | | | | | | | | | | | | |
| 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 | | | | | |
| Sound | | | | | | | | | | | | |
| 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 | | | | | |
| Electrical | | | | | | | | | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | | | | | |
| Circuit Breaker | Amps | 15 | 15 | 20 | 15 | 15 | 20 | | | | | |
| Current Rated/Max: Cooling | Amps | 2.5/9.4 | 3.8/9.4 | 4.8/9.9 | 2.5/9.4 | 3.8/9.4 | 4.8/9.9 | | | | | |
| Current Rated/Max: Heating | Amps | 3.3/10.9 | 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 | | | | | |
| Size & Weight | | | | | | | | | | | | |
| Net Weight | lbs. (kg) | 29 (13) | 84 (38) | 29 (13) | 84 (38) | 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 | |
| | mm | 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 | |
| | mm | 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 | |
| | mm | 240 | 290 | 240 | 290 | 240 | 290 | 240 | 290 | 240 | 290 | |
| Refrigerant | | R410A | |
| Additional Data | | | | | | | | | | | | |
| Air Direction: Horizontal | | Automatic | |
| Vertical | | Automatic | |
| Air Filter Type | | Washable | |
| Minimum Lineset Length | Ft (m) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | |
| Maximum Lineset Length | Ft (m) | 66 (20) (pre-charge: 49') | |
| Max. Vertical Diff. | Ft (m) | 49 (15) | 49 (15) | 49 (15) | 49 (15) | 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 1/2 | Liq. 1/4 | |
| | Indoor | ASUG09LZAS | Outdoor | AUGG09LZAS1 | Indoor | ASUG12LZAS | Outdoor | AUGG12LZAS1 | Indoor | ASUG15LZAS | Outdoor | AUGG15LZAS1 |

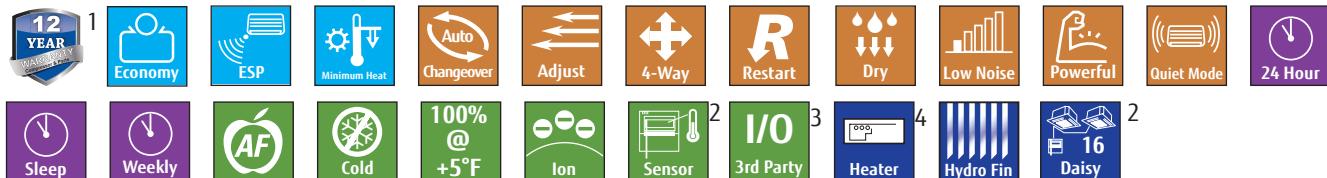
* Based on nominal capacity (e.g. 09LZAS1 based on 9,000 BTU/h)

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 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 LZA1H 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 |



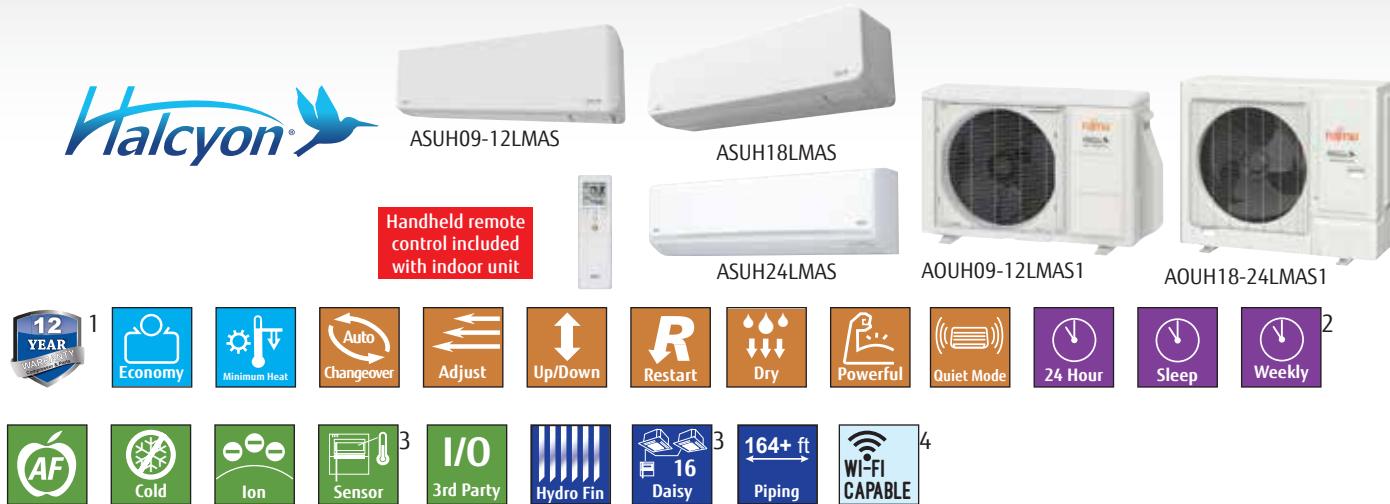
SYSTEMS 09LZAS1B, 12LZAS1B, 15LZAS1B

HIGH HEAT SYSTEMS 09LZAH1B, 12LZAH1B, 15LZAH1B

| UP TO 33.1 SEER | | 09LZAS1B  | 12LZAS1B  | 15LZAS1B  | 09LZAH1B  | 12LZAH1B  | 15LZAH1B  | | | | | |
|---|-------------|---|---|---|---|---|---|------------------------------|------------------------------|------------------------------|------------------------------|-------------|
| Performance | | | | | XLT^H | XLT^H | XLT^H | | | | | |
| 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% | | | | | |
| Fan (Cooling Mode) | | | | | | | | | | | | |
| 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 | | | | | |
| Sound | | | | | | | | | | | | |
| 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 | | | | | |
| Electrical | | | | | | | | | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | | | | | |
| Circuit Breaker | Amps | 15 | 15 | 20 | 15 | 15 | 20 | | | | | |
| Current Rated/Max: Cooling | Amps | 2.5/9.4 | 3.8/9.4 | 4.8/9.9 | 2.5/9.4 | 3.8/9.4 | 4.8/9.9 | | | | | |
| Current Rated/Max: Heating | Amps | 3.3/10.9 | 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 | | | | | |
| Size & Weight | | | | | | | | | | | | |
| Net Weight | lbs. (kg) | 29 (13) | 84 (38) | 29 (13) | 84 (38) | 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 | |
| | mm | 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 | |
| | mm | 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 | |
| | mm | 240 | 290 | 240 | 290 | 240 | 290 | 240 | 290 | 240 | 290 | |
| Refrigerant | | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | R410A | |
| Additional Data | | | | | | | | | | | | |
| Air Direction: Horizontal | | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | |
| Vertical | | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | Automatic | |
| Air Filter Type | | Washable | Washable | Washable | Washable | Washable | Washable | Washable | Washable | Washable | Washable | |
| Minimum Lineset Length | Ft (m) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 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') | 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) | 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 1/2 | Liq. 1/4 | |
| | Indoor | ASUG09LZBS | Outdoor | ASUG09LZAS1 | Indoor | ASUG12LZBS | Outdoor | ASUG12LZAS1 | Indoor | ASUG09LZBS | Outdoor | ASUG09LZAH1 |
| * 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.

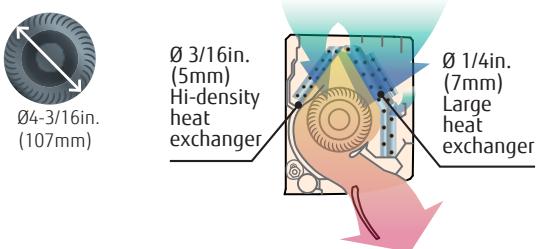
4 See page 13 for details.

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 FG Lair app on a mobile device, or smart home devices such as Amazon Echo or Google Home.



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 | | | | | | | | | |
| 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) | | | | |
| Fan (Cooling Mode) | | | | | | | | | |
| 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 | | | | |
| Sound | | | | | | | | | |
| 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 | | | | |
| Electrical | | | | | | | | | |
| 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 | | | | |
| Size & Weight | | | | | | | | | |
| Net Weight | lbs. (kg) | 22 (10) | 68 (31) | 22 (10) | 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 | | | | |
| Additional Data | | | | | | | | | |
| 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.

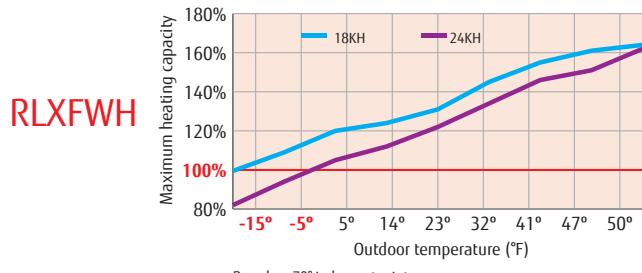
3 Available only with optional wired remote control and optional communication kit (9&12k IDUs).

4 See page 13 for details.

HIGH PERFORMANCE HEATING CAPACITY

Stay comfortable at low ambient temperatures! The RLXFWH1 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 **XLT H** story on page 14.



Based on 70° indoor setpoint

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 | Xtreme Heat | Xtreme Heat | Xtreme Heat | Xtreme Heat |
| Rated Cooling | BTU/h | 9000 | 12000 | 18,000 |
| Min.-Max. Cooling | BTU/h | 3,400–11,500 | 3,400–13,300 | 7,000~23,000 |
| Rated Heating | BTU/h | 12000 | 16000 | 21,600 |
| Min.-Max. Heating | BTU/h | 2,800–16,000 | 2,800–19,100 | 7,000~29,000 |
| SEER | | 26.5 | 23 | 20.0 |
| HSPF | | 13 | 12.5 | 10.4 |
| EER | | 15.4 | 12.5 | 13.3 |
| Cooling Operating Range | °F (°C) | 14 to 115 (-10 to 46) | 14 to 115 (-10 to 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) |
| Moisture Removal | Pt./h (l/h) | 2.7 (1.3) | 3.8 (1.8) | 5.9 (2.8) |
| Max Htg % of Nominal Capacity at +5°F (+15°C)* | | 105% | 89% | 120% |
| Max Htg % of Nominal Capacity at -5°F (-21°C)* | | 85% | 72% | 109% |
| Max Htg % of Nominal Capacity at -15°F (-26°C)* | | 61% | 52% | 100% |
| Fan (Cooling Mode) | | | | |
| Air Circulation: Hi | CFM (m³/h) | 453 (770) | 453 (770) | 541 (920) |
| Medium | CFM (m³/h) | 353 (600) | 353 (600) | 435 (740) |
| Low | CFM (m³/h) | 265 (450) | 265 (450) | 365 (620) |
| Quiet | CFM (m³/h) | 147 (250) | 147 (250) | 306 (520) |
| Fan Speed Stages | | 4+Auto | 4+Auto | 4+Auto |
| Sound | | | | |
| Indoor Level (Clg/Htg): Hi | dB(A) | 43/43 | 43/43 | 43/44 |
| Medium | dB(A) | 36/38 | 36/38 | 37/37 |
| Low | dB(A) | 30/33 | 30/33 | 33/33 |
| Quiet | dB(A) | 19/21 | 19/21 | 28/28 |
| Outdoor Level Clg/Htg | dB(A) | 46/48 | 49/51 | 47/50 |
| Electrical | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Circuit Breaker | Amps | 15 | 15 | 20 |
| Current Rated/Max: Cooling | Amps | 3/6.9 | 4.7/6.9 | 6.2/13.5 |
| Current Rated/Max: Heating | Amps | 3.9/9.4 | 6/9.4 | 7.8/14.5 |
| Power Use Rated/Max: Cooling | kW | 0.585/1.27 | 0.96/1.27 | 1.35/3.01 |
| Power Use Rated/Max: Heating | kW | 0.79/1.67 | 1.28/1.67 | 1.75/3.23 |
| Size & Weight | | | | |
| Net Weight | Ibs. (kg) | 22 (10) | 73 (33) | 31 (14) |
| Dimensions: Height | Inch | 10-5/8 | 21- 5/16 | 12-5/8 |
| | mm | 270 | 542 | 320 |
| Width | Inch | 32-13/16 | 31- 7/16 | 39-1/4 |
| | mm | 834 | 799 | 998 |
| Depth | Inch | 8-3/4 | 11- 7/16 | 9 |
| | mm | 222 | 290 | 330 |
| Refrigerant | | R410A | R410A | R410A |
| Additional Data | | | | |
| Air Direction: Horizontal | | Manual | Manual | Automatic |
| Vertical | | Automatic | Automatic | Automatic |
| Air Filter Type | | Washabale | Washabale | 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') | 164 (50) (pre-charge: 65') |
| Max. Vertical Diff. | Ft (m) | 49 (15) | 49 (15) | 98 (30) |
| Lineset Size | Inch | Gas 3/8 | Liq. 1/4 | Gas5/8 |
| | ASUH09LMAS | AOUH09LMAH1 | ASUH12LMAS | ASUH12LMAH1 |
| * Based on model # capacity class (e.g. 09LMAH1 based on 9,000 BTU/h) @ 70°F indoor setpoint. Refer to the Design & Technical Manual for more heating capacity data. | | ASU18RLF | AOU18RLFWH | ASU24RLF |
| | | ASU24RLFWH | AOU24RLFWH | |

Note: Figures are based on 230 Volts.

30,000 BTU/h WALL MOUNT HEAT PUMP



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.

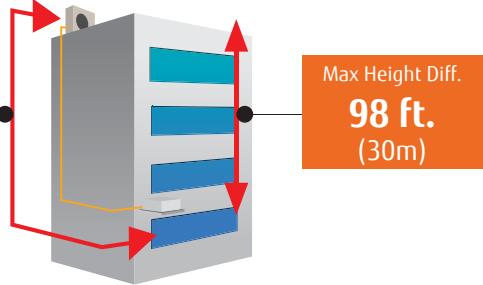
2 Available only with optional wired remote control.

3 See page 13 for details.

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.

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

Max Height Diff.
98 ft.
(30m)



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.[^]

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.

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 [^] |
| Interface Kit | UTY-XCSXZ1 |
| Interface Kit Box..... | UTZ-GXXB |
| Outdoor Unit Input/Output Connector | UTY-XWZXZ3 |

* 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.

HIGH-HEAT SYSTEM 30RLXEH



UP TO 18.7 SEER



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

| | |
|-----------------|--|
| 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
ASU30RL

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



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.

3 Available only with optional wired remote control and optional Communication Kit.

4 See page 13 for details.

IDEAL REPLACEMENT FOR PTAC SYSTEMS



PTAC



STHP (cutaway view)

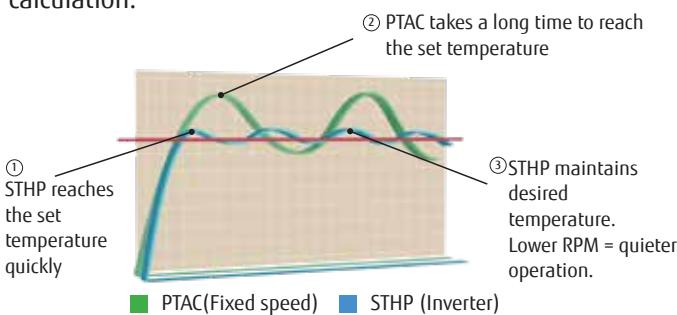


STHP

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.



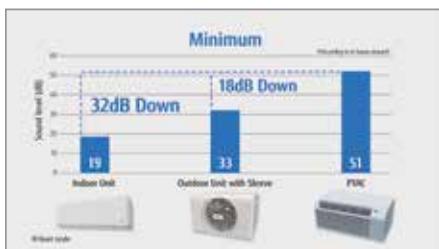
CONTROL YOUR HOME'S CLIMATE ANYTIME, ANYWHERE!

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



LOWER SOUND LEVELS

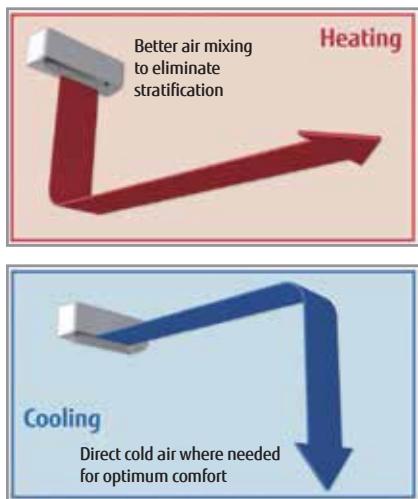
Up to 87% quieter than a PTAC



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-RHY
- 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 | | | |
|------------------------|---------|---|---|
| Model | | UTZ-WUZA-C | UTZ-WUZB-C |
| 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 | | | |
| 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 | Ibs. (kg) | 22 (10) | 62 (28) |
| Dimensions: Height | Inch | 10-5/8 | 14-5/16 |
| | mm | 270 | 363 |
| Width | Inch | 32-13/16 | 19-11/16 |
| | mm | 834 | 500 |
| Depth | Inch | 8-3/4 | 19-5/16 |
| | mm | 222 | 490 |
| 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 |
| Note: Figures are based on 230 Volts. | | Indoor ASUH09LMAS | Outdoor AOUH09LEAS1 |
| | | Indoor ASUH12LMAS | Outdoor 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

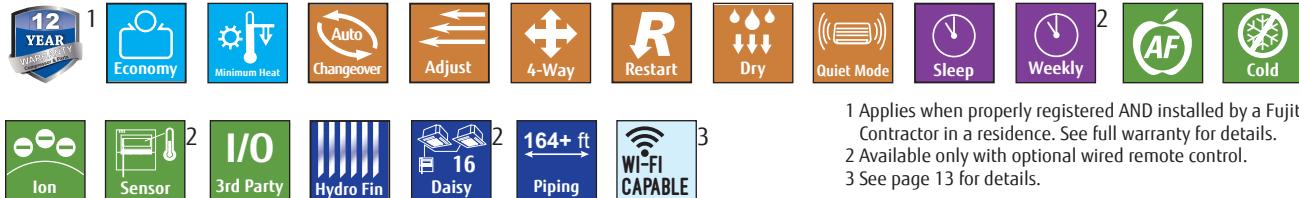
| | | 9RL2 | 12RL2 |
|----------------------------------|-------------|------------------------------|------------------------------|
| Performance | | | |
| Rated Cooling | BTU/h | 9,000 | 12,000 |
| Min.-Max. Cooling | BTU/h | 1,700~10,700 | 3,100~12,500 |
| Rated Heating | BTU/h | 10,000 | 14,000 |
| 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) |
| Fan (Cooling Mode) | | | |
| 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 |
| Sound | | | |
| Indoor Sound Level (Clg/Htg): Hi | dB(A) | 43/43 | 43/43 |
| Medium | dB(A) | 38/38 | 38/38 |
| Low | dB(A) | 33/33 | 33/33 |
| Quiet | dB(A) | 23/23 | 23/23 |
| Outdoor Sound Level Clg/Htg | dB(A) | 47/48 | 51/51 |
| Electrical | | | |
| Voltage/Frequency/Phase | | 115/60/1 | 115/60/1 |
| Circuit Breaker | Amps | 15 | 20 |
| Current Rated: Cooling | Amps | 7.5 | 10.9 |
| Current Rated: Heating | Amps | 7.0 | 11.0 |
| Power Use Rated: Cooling | kW | 0.83 | 1.20 |
| Power Use Rated: Heating | kW | 0.77 | 1.21 |
| Size & Weight | | | |
| Net Weight | Ibs. (kg) | 16 (7) | 64 (29) |
| Dimensions: Height | Inch | 10-5/16 | 21-1/4 |
| | mm | 262 | 540 |
| Width | Inch | 32-9/32 | 26 |
| | mm | 820 | 660 |
| Depth | Inch | 8-1/8 | 11-11/32 |
| | mm | 206 | 290 |
| Refrigerant | | R410A | R410A |
| Additional Data | | | |
| 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 |
| | | 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

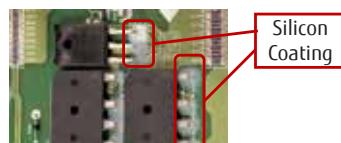
- Energy efficient - Up to 20.0 SEER and up to 11.0 HSPF, these systems save money on utility bills and can qualify for rebates!
- Revamped controls platform, featuring 2 communication (UART) ports allowing simultaneous connection of wired controller, WiFi adapter, and 3rd party devices (such as field 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



Standard Copper Tubing Oxygen-Free Copper Tubing

New Copper Tubing

- 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 |
|--|-----------------------------|-----------------------------|-----------------------------|-----------------------------|------------------------------|------------------------------|
| Performance | | | | | | |
| 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) |
| 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) | 4.0 (1.9) | 6.3 (3.0) | 9.7 (4.6) | 10.1 (4.8) |
| Fan (Cooling Mode) | | | | | | |
| 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 |
| Sound | | | | | | |
| 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 |
| Electrical | | | | | | |
| Voltage/Frequency/Phase | 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 |
| Size & Weight | | | | | | |
| Net Weight lbs. (kg) | 21 (9.5) | 51 (23) | 22 (10.0) | 68 (31) | 29 (13) | 86 (39) |
| Dimensions: Height Inch | 10-5/8 | 21-5/16 | 10-5/8 | 21-5/16 | 11 | 24-7/8 |
| | mm | 270 | 541 | 270 | 542 | 280 |
| Width Inch | 32-13/16 | 26-1/8 | 32-13/16 | 31-7/16 | 38-9/16 | 31-7/16 |
| | mm | 834 | 663 | 834 | 799 | 980 |
| Depth Inch | 8-3/4 | 11-7/16 | 8-3/4 | 11-7/16 | 9-7/16 | 11-7/16 |
| | mm | 222 | 290 | 222 | 290 | 240 |
| Refrigerant | R410A | R410A | R410A | R410A | R410A | R410A |
| Additional Data | | | | | | |
| 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. | 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 |
| | 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 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 RLFF models only.

4 See page 13 for details.

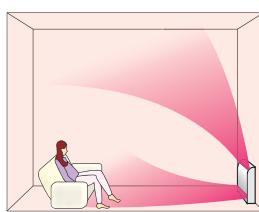
IDEAL RADIATOR REPLACEMENT



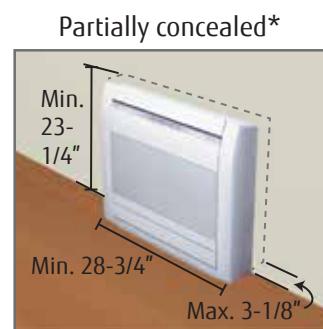
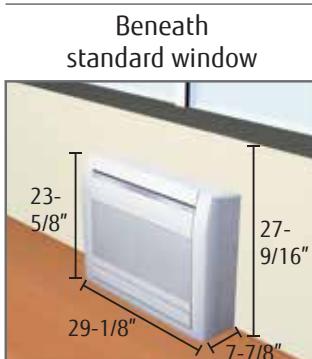
At less than 24" high and 30" wide, floor mount models fit easily under a standard window and can replace a radiator twice its size while producing more capacity.

TWO FANS AND WIDE AIRFLOW

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



FLEXIBLE AND EASY INSTALLATION



*Field supplied insulation required

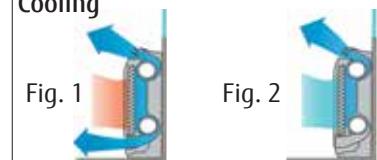
BASE PAN HEATER (RLFFH MODELS)

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

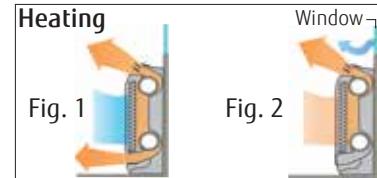
| | |
|--------------------------------|-------------|
| Wired Remote Control | UTY-RVNUM |
| Wired Remote Controller | UTY-RNNUM |
| Simple Remote Control..... | UTY-RSNUM |
| 24V Thermostat Interface | UTY-TTRXZ1 |
| Modbus Gateway..... | FJ-RC-MBS-1 |
| Dry Contact Wire Kit | UTY-XWZXZ5 |
| Wi-Fi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

Cooling



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

Heating



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

SYSTEMS 9RLFF, 12RLFF, 15RLFF

HIGH HEAT SYSTEMS 9RLFFFH, 12RLFFFH, 15RLFFFH

UP TO 26 SEER



| Performance | | | | | | | |
|---|----------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|
| 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% |
| Fan (Cooling Mode) | | | | | | | |
| 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 |
| Sound | | | | | | | |
| Indoor Level (Clg/Htg): Hi | dB(A) | 40/40 | 40/40 | 44/43 | 40/40 | 40/40 | 44/43 |
| Medium | dB(A) | 35/35 | 35/35 | 38/37 | 35/35 | 35/35 | 38/37 |
| Low | dB(A) | 29/29 | 29/29 | 31/29 | 29/29 | 29/29 | 31/29 |
| Quiet | dB(A) | 23/23 | 23/23 | 23/23 | 23/23 | 23/23 | 23/23 |
| Outdoor Level Clg/Htg | dB(A) | 50/50 | 52/52 | 54/54 | 50/50 | 52/52 | 54/54 |
| Electrical | | | | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Circuit Breaker | Amps | 15 | 15 | 20 | 15 | 15 | 20 |
| Current Rated: Cooling | Amps | 2.9 | 4.2 | 5.1 | 2.9 | 4.2 | 5.1 |
| Current Rated: Heating | Amps | 4.1 | 6.7 | 7.0 | 4.1 | 6.7 | 7.0 |
| Power Use Rated: Cooling | kW | 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 |
| Size & Weight | | | | | | | |
| Net Weight | Ibs. (kg) | 31 (14) | 84 (38) | 31 (14) | 84 (38) | 31 (14) | 86 (39) |
| Dimensions: Height | Inch | 23-5/8 | 24-7/16 | 23-5/8 | 24-7/16 | 23-5/8 | 24-7/16 |
| | mm | 600 | 620 | 600 | 620 | 600 | 620 |
| Width | Inch | 29-1/8 | 31-1/8 | 29-1/8 | 31-1/8 | 29-1/8 | 31-1/8 |
| | mm | 740 | 790 | 740 | 790 | 740 | 790 |
| Depth | Inch | 7-7/8 | 11-7/16 | 7-7/8 | 11-7/16 | 7-7/8 | 11-7/16 |
| | mm | 200 | 290 | 200 | 290 | 200 | 290 |
| Refrigerant | | R410A | R410A | R410A | R410A | R410A | R410A |
| Additional Data | | | | | | | |
| Air Direction: Horizontal | | Manual | Manual | Manual | Manual | Manual | Manual |
| Vertical | | Auto | Auto | Auto | Auto | Auto | Auto |
| Air Filter 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') |
| 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 3/8 | Liq. 1/4 |
| | Indoor AGU9RLF | Outdoor AOU9RLFF | Indoor AGU12RLF | Outdoor AOU12RLFF | Indoor AGU15RLF | Outdoor AOU15RLFF | Indoor AGU12RLF |
| * Based on nominal capacity (e.g. 09LZAS1 based on 9,000 BTU/h) | | | | | | | |

Note: Figures are based on 230 Volts.

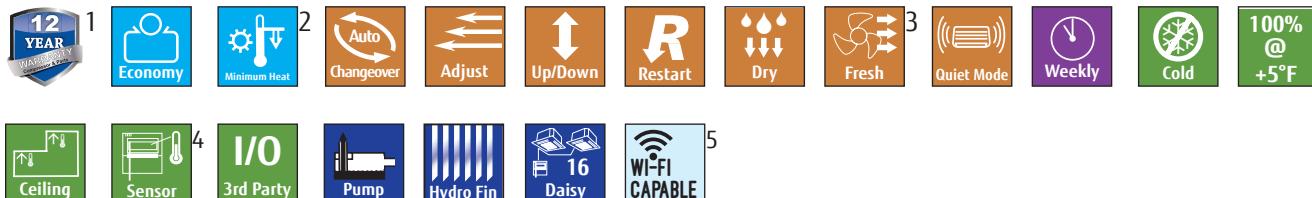
9, 12, 18,000 BTU/h COMPACT CASSETTE HEAT PUMPS



Controller not included. Controls sold separately.



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



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

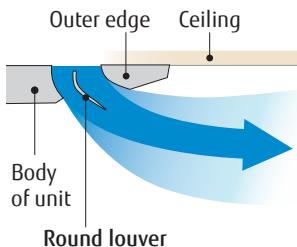
PRODUCT FEATURES:

- 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.

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).

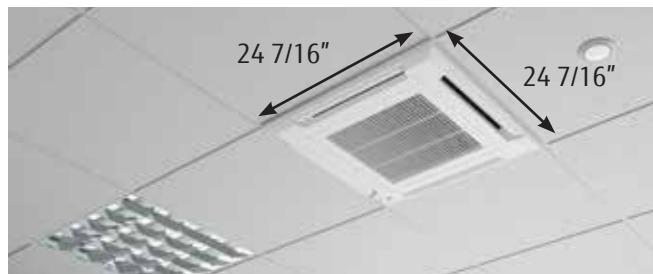


The new design spreads airflow evenly and widely across a space, helping to maintain consistent temperatures.

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-CCFGA). Sold separately.
- Unique fan design (laminar wing design) provides whisper-quiet operation with sound pressure levels as low as 28dB(A).



OPTIONAL ACCESSORIES

| | |
|------------------------------------|---------------------|
| Wired Remote Controller | UTY-RNRUZ Series |
| Simple Remote Controller | UTY-RSRY / UTY-RHRY |
| Wireless Remote Controller | UTY-LNTU |
| Wireless LAN Adapter | UTY-TFSX2 |
| 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

| UP TO 22.5 SEER | | 09LUAS1C | | 12LUAS1C | | 18LUAS1C | | | |
|----------------------------------|--------------------|---|---|---|------------------|---------------------------|---------------------------------|------------------|---------------------|
| 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 | | 3,100-23,900 | | | |
| 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) | | | |
| Fan (Cooling Mode) | | | | | | | | | |
| 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 | | | |
| Sound | | | | | | | | | |
| 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 | | | |
| 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 | 4.6/9.3 | | 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 | | | |
| Size & Weight | | | | | | | | | |
| Net Weight | Ibs. (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 | | | |
| Additional Data | | | | | | | | | |
| 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-CCFGA | Outdoor AOUH09LUAS1 | Indoor ACUH12LUAS1 | Grille UTG-CCFGA | Outdoor AOUH12LUAS1 | Indoor ACUH18LUAS1 | Grille UTG-CCFGA | Outdoor AOUH18LUAS1 |

Note: Figures are based on 230 Volts.

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



Horizontal orientation



Vertical orientation



Controller not included. Controls sold separately.



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.

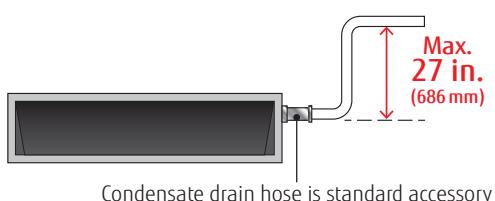
PRODUCT FEATURES:

- 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.

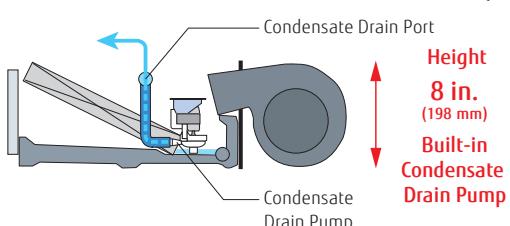
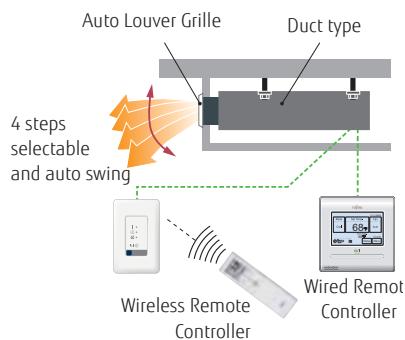
FLEXIBLE INSTALLATION

- 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.



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 | | | | | | | | | | |
| 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 | 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) | Pt./h (l/h) | 1.5 (.07) | | | 2.7 (1.3) | | | 4.2 (2.0) | | |
| Fan (Cooling Mode) | | | | | | | | | | |
| Air Circulation: Hi CFM (m³/h) | CFM (m³/h) | 353 (600) | | | 383 (650) | | | 553 (940) | | |
| Medium CFM (m³/h) | CFM (m³/h) | 324 (550) | | | 353 (600) | | | 518 (880) | | |
| Low CFM (m³/h) | CFM (m³/h) | 294 (500) | | | 324 (550) | | | 482 (820) | | |
| Quiet CFM (m³/h) | 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) | 37 (17) | | 84 (38) | 44 (20) | | |
| 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 | |
| | mm | 198 | 151 | 175 | 542 | 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 | |
| | mm | 700 | 650 | 575 | 799 | 700 | 650 | 575 | 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 | |
| | mm | 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 | | |
| | | 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 BTUh system only

6 18, 24, 30, 36, 42, 48,000 BTU/h systems only.

7 See page 13 for details.

FUNCTION

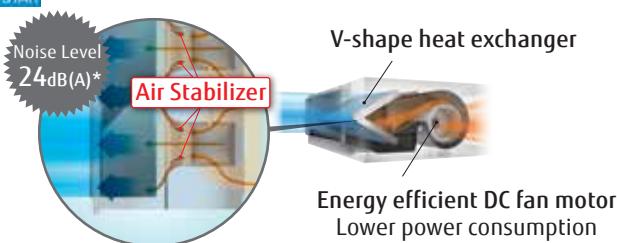
Fujitsu's Medium Static Pressure Duct indoor units use the same energy efficient inverter technology you expect from Fujitsu mini-split products, and they have enough static pressure to heat or cool a whole house! SEER ratings up to 21.3 and a compact size mean these indoor units can find a place in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



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

| | 12LUAS1  | 18RGLXD  | 24RGLXD  | 30RGLXD  | 36RGLXD  | 42RGLXD  | 48RGLXD  | |
|--|--|--|--|---|--|--|--|------------------------------|
| Performance | | | | | | | | |
| 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) |
| 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) |
| Fan (Cooling Mode) | | | | | | | | |
| 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 |
| Sound | | | | | | | | |
| 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 |
| Electrical | | | | | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 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 |
| Size & Weight | | | | | | | | |
| Net Weight | lbs. (kg) | 66 (30) | 84 (38) | 93 (42) | 134 (61) | 93 (42) | 134 (61) | 121 (55) |
| Dimensions: Height | Inch | 11-13/16 | 24-7/8 | 11-13/16 | 32-11/16 | 11-13/16 | 32-11/16 | 11-13/16 |
| | mm | 300 | 632 | 300 | 830 | 300 | 830 | 300 |
| Width | Inch | 27-9/16 | 31-7/16 | 39-3/8 | 35-7/16 | 39-3/8 | 35-7/16 | 55-1/8 |
| | mm | 700 | 799 | 1000 | 900 | 1000 | 900 | 1400 |
| Depth | Inch | 27-9/16 | 11-7/16 | 27-9/16 | 13 | 27-9/16 | 13 | 27-9/16 |
| | mm | 700 | 290 | 700 | 330 | 700 | 330 | 700 |
| Refrigerant | | R410A | R410A | R410A | R410A | R410A | R410A | R410A |
| Additional Data | | | | | | | | |
| 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 |
| Indoor ARUH12LUAS Outdoor AQUH12LUAS1 | | | | | | | | |
| 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.



Controller not included. Controls sold separately.



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.

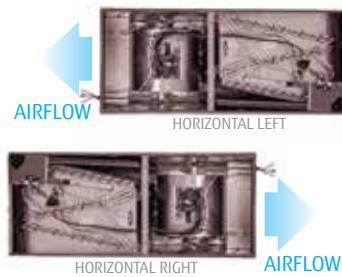
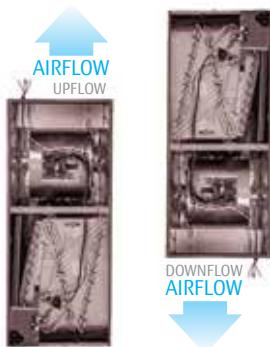
3 Available only with optional wireless remote control.

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 | | |
|------------------------------|-------------|---------------------|------------------|---------------------|------------------|--------------------|------------------|--------------------|------------------|---------------------|------------------|---------------------|---------------------|------------|
| Performance | | | | | | | | | | | | | | |
| 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) | |
| Fan (Cooling Mode) | | | | | | | | | | | | | | |
| 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 | |
| Sound | | | | | | | | | | | | | | |
| 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 | |
| Electrical | | | | | | | | | | | | | | |
| 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 | |
| Size & Weight | | | | | | | | | | | | | | |
| 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) | |
| 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 | |
| | mm | 1080 | 830 | 1080 | 830 | 1448 | 998 | 1448 | 998 | 1,080 | 998 | 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 | |
| | mm | 533 | 900 | 533 | 900 | 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 | |
| | mm | 551 | 330 | 551 | 330 | 551 | 370 | 551 | 370 | 551 | 370 | 551 | 370 | |
| Refrigerant | | 410A | | 410A | | 410A | | 410A | | 410A | | 410A | 410A | |
| Additional Data | | | | | | | | | | | | | | |
| 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') | |
| 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 | |
| | AMUG24LMAS | AOU24RGLX | AMUG30LMAS | AOU30RGLX | AMUG36LMAS | AOU36RGLX | AMUG48LMAS | AOU48RGLX | AMUG30LMAS | AOUH30LUAH1 | AMUG36LMAS | AOU36LMAH1 | AMUG48LMAS | AOU48LMAH1 |

Note: Figures are based on 230 Volts.

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



**6 Year
Compressor
2 Year
Parts
WARRANTY**



1



1



1



1



1



2



2



1



1



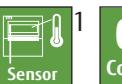
1



1



1



1



1



1



1



1



3

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 | |
|----------------------------------|---------------------|-------------------------------|---------------------|-------------------------------|---------------------|-------------------------------|----------|
| Performance | | | | | | | |
| 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) | |
| Fan (Cooling Mode) | | | | | | | |
| 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 | |
| Sound | | | | | | | |
| 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 | |
| Electrical | | | | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | | 208-230/60/1 | | 208-230/60/1 | |
| Circuit Breaker | Amps | 20 | | 20 | | 30 | |
| Current Rated/Max: Cooling | Amps | 7.1/12.5 | | 9.8/12.5 | | 18.3/18.8 | |
| Current Rated/Max: Heating | Amps | 9.8/12.5 | | 10.2/12.5 | | 15.3/18.8 | |
| Power Use Rated/Max: Cooling | kW | 1.63/2.88 | | 2.25/2.88 | | 4.22/4.35 | |
| Power Use Rated/Max: Heating | kW | 2.25/2.88 | | 2.35/2.88 | | 3.50/4.35 | |
| Size & Weight | | | | | | | |
| Net Weight | Ibs. (kg) | 62 (28) | 141 (64) | 62 (28) | 141 (64) | 106 (48) | 141 (64) |
| Dimensions: Height | Inch | 7-7/8 | 32-3/4 | 7-7/8 | 32-3/4 | 9-1/2 | 32-3/4 |
| | mm | 199 | 830 | 199 | 830 | 240 | 830 |
| Width | Inch | 39-1/8 | 35-1/2 | 39-1/8 | 35-1/2 | 65-1/2 | 35-1/2 |
| | mm | 990 | 900 | 990 | 900 | 1660 | 900 |
| Depth | Inch | 25-7/8 | 13 | 25-7/8 | 13 | 27-5/8 | 13 |
| | mm | 655 | 330 | 655 | 330 | 700 | 330 |
| Refrigerant | | R410A | | R410A | | R410A | |
| Additional Data | | | | | | | |
| Air Direction: Horizontal | | Automatic | | Automatic | | Automatic | |
| Vertical | | Automatic | | Automatic | | Automatic | |
| Air Filter 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 AOU18RULX | Indoor ABU24RULX | Outdoor AOU24RULX | Indoor ABU36RSLX | Outdoor AOU36RULX | |

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



AUU18/36/42/48RGLX with UTG-GCGF



AOU18/24/30/36RGLX



| | | | | | | | | | | | | | | |
|---|--|--|---|--|--|--|--|--|--|--|---|--|--|---|
| 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.

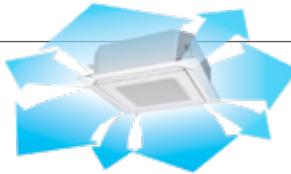
4 Available only with optional wireless remote control.

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.

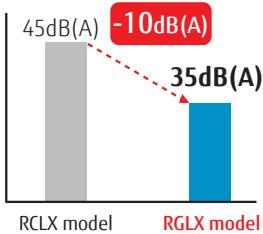


Airflow fan speed can be customized depending on room layout.

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.

24k BTUh model
(Cooling / High)



4 fan speeds

High

Med

Low

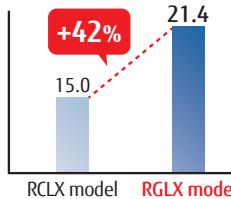
Quiet

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

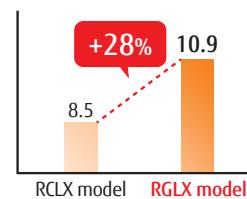
HIGH ENERGY EFFICIENCY

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

SEER (24k BTUh model)



HSPF (24k BTUh model)



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.



UTG-GCGF

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 | UTZ-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 |
|----------------------------------|--|--|--------------------------------|------------------------------|--------------------------------|------------------------------|
| Performance | | | | | | |
| Rated Cooling | BTU/h | 18,000 | 24,000 | 30,000 | 36,000 | 42,000 |
| 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 |
| | BTU/h | 21,000 | 27,000 | 32,000 | 36,000 | 47,000 |
| 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 |
| SEER | | 21.4 | 20 | 18.6 | 17.5 | 18.5 |
| HSPF | | 10.9 | 10.8 | 11.5 | 11.2 | 9.7 |
| EER | Btu/hW | 13.4 | 12.8 | 11.7 | 10 | 11.3 |
| 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) |
| 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) |
| 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) |
| Fan (Cooling Mode) | | | | | | |
| Air Circulation: Hi | CFM (m³/h) | 618 (1,050) | 677 (1,150) | 942 (1,600) | 1,118 (1,900) | 1,177 (2,000) |
| Medium | CFM (m³/h) | 565 (960) | 618 (1,050) | 824 (1,400) | 936 (1,590) | 971 (1,650) |
| Low | CFM (m³/h) | 530 (900) | 577 (980) | 748 (1,270) | 836 (1,420) | 859 (1,460) |
| Quiet | CFM (m³/h) | 459 (780) | 512 (870) | 677 (1,150) | 695 (1,180) | 765 (1,300) |
| Fan Speed Stages | | 4 + Auto | 4 + Auto | 4 + Auto | 4 + Auto | 4 + Auto |
| Sound | | | | | | |
| Indoor Sound Level (Clg/Htg): Hi | dB(A) | 33/33 | 35/35 | 40/40 | 44/44 | 46/46 |
| Medium | dB(A) | 32/32 | 34/34 | 38/38 | 41/41 | 42/42 |
| Low | dB(A) | 31/31 | 32/32 | 36/36 | 38/38 | 39/39 |
| Quiet | dB(A) | 28/28 | 29/29 | 33/33 | 34/34 | 35/35 |
| Outdoor Sound Level Clg/Htg | dB(A) | 47/50 | 53/55 | 53/55 | 54/56 | 55/57 |
| Electrical | | | | | | |
| Voltage/Frequency/Phase | | 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 |
| Current Rated: Cooling | Amps | 6.1 | 8.4 | 11.5 | 16.1 | 16.7 |
| Current Rated: Heating | Amps | 6.6 | 9.6 | 10.7 | 12.2 | 16.8 |
| 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 |
| 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 |
| Size & Weight | | | | | | |
| Net Weight | Ibs. (kg) | 53 (24) | 134 (61) | 53 (24) | 134 (61) | 57 (26) |
| Dimensions: Height | Inch | 9 11/16 11/16 | 32 11/16 | 9 11/16 11/16 | 32 11/16 | 11 5/16 11/16 |
| | mm | 246 | 830 | 246 | 830 | 288 |
| Width | Inch | 33 1/16 13 | 35 7/16 33 | 33 1/16 13 | 35 7/16 33 | 35 7/16 33 |
| | mm | 840 | 900 | 840 | 900 | 840 |
| Depth | Inch | 33 1/16 13 | 13 | 33 1/16 13 | 13 | 33 1/16 13 |
| | mm | 840 | 330 | 840 | 330 | 840 |
| Refrigerant | | R410A | R410A | R410A | R410A | R410A |
| Additional Data | | | | | | |
| | | 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) |
| 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' |
| Max. Vertical Diff. | Ft (m) | 98 (30) | 98 (30) | 98 (30) | 98 (30) | 98 (30) |
| Lineset Size | Inch | Gas 1/2 Indoor AUU18RGLEX | Liq. 1/4 Outdoor AUU18RGLEX | Gas 5/8 Indoor AUU24RGLEX | Liq. 3/8 Outdoor AUU24RGLEX | Gas 5/8 Indoor AUU30RGLEX |
| | | Gas 5/8 Indoor AUU30RGLEX | Liq. 3/8 Outdoor AUU36RGLEX | Gas 5/8 Indoor AUU36RGLEX | Liq. 3/8 Outdoor AUU42RGLEX | Gas 5/8 Indoor AUU42RGLEX |
| | | Gas 5/8 Indoor AUU48RGLEX | Liq. 3/8 Outdoor AUU48RGLEX | Gas 5/8 Indoor AUU48RGLEX | Liq. 3/8 Outdoor AUU48RGLEX | Gas 5/8 Indoor AUU48RGLEX |

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



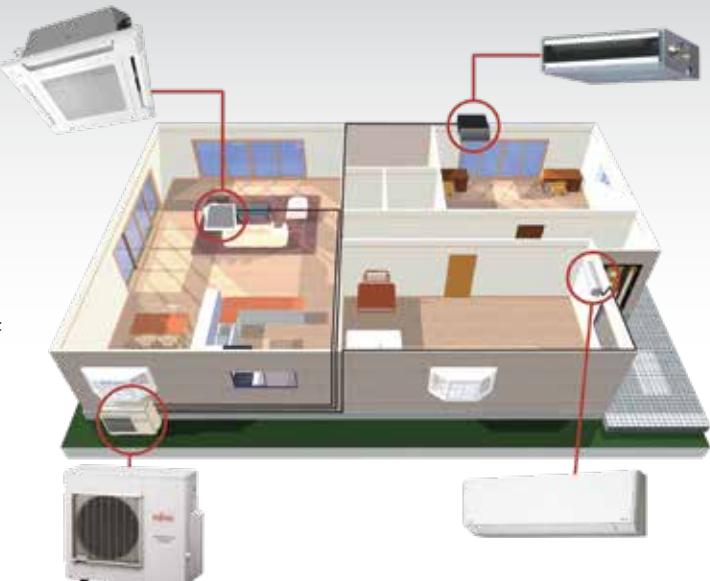
18, 24, 36,000 BTU/h

- 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 |  |  |  |  | |
| | AOU18RLXFZ | AOU24RLXFZ | AOU36RLXFZ1 | AOU45RLXFZ | |
| |  |  |  |  | |
| | XLT H | XLT H | XLT H | XLT H | |
| | | | | | |
| 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

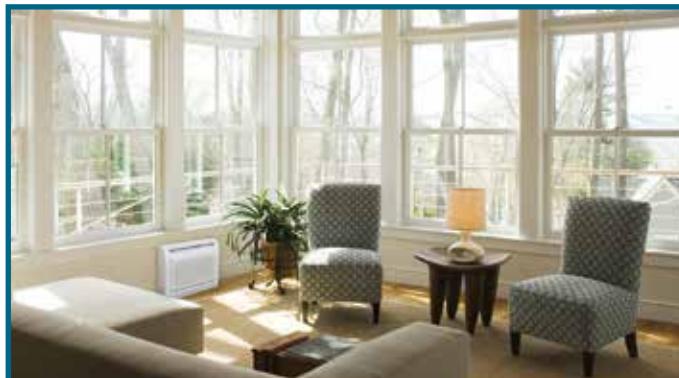
Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.

- 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



Economy



Minimum Heat



Changeover



Auto
Adjust



4-Way



Restart



Dry



Quiet Mode



Sleep



Weekly



AF



Cold



Ion



Sensor



I/O
3rd Party



Hydro Fin



Daisy
Piping



16
ft



WI-FI
CAPABLE

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 |
|----------------------------------|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Performance | | | | | | |
| Rated Cooling | BTU/h | 7,000 | 9,000 | 12,000 | 14,000 | 18,000 |
| Rated Heating | BTU/h | 7,500 | 9,600 | 12,800 | 16,000 | 19,200 |
| Fan (Cooling Mode) | | | | | | |
| Air Circulation: Hi | CFM (m ³ /h) | 383 (650) | 412 (700) | 412 (700) | 453 (770) | 530 (900) |
| Medium | CFM (m ³ /h) | 318 (540) | 330 (560) | 330 (560) | 353 (600) | 471 (800) |
| Low | CFM (m ³ /h) | 253 (430) | 253 (430) | 253 (430) | 265 (450) | 377 (640) |
| Quiet | CFM (m ³ /h) | 188 (320) | 188 (320) | 182 (310) | 182 (310) | 241 (410) |
| Fan Speed Stages | | 4+Auto | 4+Auto | 4+Auto | 4+Auto | 4+Auto |
| Sound | | | | | | |
| Indoor Sound Level (Clg/Htg): Hi | dB(A) | 38/41 | 40/42 | 40/42 | 43/44 | 44/43 |
| Medium | dB(A) | 33/35 | 34/36 | 35/38 | 36/39 | 42/39 |
| Low | dB(A) | 29/31 | 29/31 | 30/33 | 30/33 | 37/34 |
| Quiet | dB(A) | 21/22 | 21/22 | 21/22 | 21/24 | 26/28 |
| Electrical | | | | | | |
| Voltage/Frequency/Phase | | 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 |
| 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 |
| Input Power | W | 18 | 22 | 26 | 42 | 34 |
| Size & Weight | | | | | | |
| Net Weight | lbs. (kg) | 21 (9.5) | 21 (9.5) | 22 (10.0) | 22 (10.0) | 29 (13) |
| Dimensions: Height | Inch | 10-5/8 | 10-5/8 | 10-5/8 | 10-5/8 | 11 |
| | mm | 270 | 270 | 270 | 270 | 280 |
| Width | Inch | 32-13/16 | 32-13/16 | 32-13/16 | 32-13/16 | 38-9/16 |
| | mm | 834 | 834 | 834 | 834 | 980 |
| Depth | Inch | 8-3/4 | 8-3/4 | 8-3/4 | 8-3/4 | 9-7/16 |
| | mm | 222 | 222 | 222 | 222 | 240 |
| Refrigerant | | R410A | R410A | R410A | R410A | R410A |
| Additional Data | | | | | | |
| Air Direction: Horizontal | | Manual | Manual | Manual | Manual | Manual |
| Air Direction: Vertical | | Automatic | Automatic | Automatic | Automatic | Automatic |
| Air Filter Type | | Washable | Washable | Washable | Washable | Washable |
| Ion Deodorizing Filter | | Disposable | Disposable | Disposable | Disposable | Disposable |
| Apple-Catechin Filter | | 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 |

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

MULTI-ZONE INDOOR



Controller not included. Controls sold separately.



- 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.

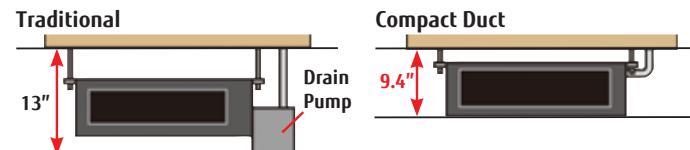
FLEXIBLE INSTALLATION

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.

| CFM | Typical Filter Size | Velocity, FPM | Unit External SP, in. W.C. |
|---------------------------------|---------------------|---------------|----------------------------|
| 323 | 353 | 383 | 554 |
| 12 x 20 | 12 x 20 | 12 x 20 | 14 x 25 |
| 194 | 212 | 230 | 228 |
| 0.36 | 0.36 | 0.36 | 0.36 |
| 1" Fiberglass Filter | | | |
| 0.04 | 0.04 | 0.05 | 0.04 |
| 0.32 | 0.32 | 0.31 | 0.32 |
| 1" MERV 8 Pleated Filter | | | |
| 0.10 | 0.12 | 0.14 | 0.14 |
| 0.26 | 0.24 | 0.22 | 0.22 |
| 2" MERV 8 Pleated Filter | | | |
| 0.06 | 0.07 | 0.08 | 0.08 |
| 0.30 | 0.29 | 0.28 | 0.28 |

*SP Loss, in. W.C.
^Available Static Pressure

*SP Loss, in. W.C.
^Available Static Pressure

*SP Loss, in. W.C.
^Available Static Pressure

*Typical filter pressure drop.

^Available Static Pressure factors in filter pressure loss only.

ADUH07LUAS1, ADUH09LUAS1, ADUH12LUAS1, ADUH18LUAS1, ADUH24LUAS1

| | | ADUH07LUAS1 | 09LUAS1D | 12LUAS1D | 18LUAS1D | ADUH24LUAS1 |
|---------------------------------------|------------|--------------|--------------|--------------|--------------|--------------|
| Performance | | | | | | |
| 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 |
| Fan (Cooling Mode) | | | | | | |
| 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 |
| Sound | | | | | | |
| Indoor Sound Level (Clg/Htg): Hi | dB(A) | 28/28 | 28/28 | 29/29 | 32/33 | 33/35 |
| Medium | dB(A) | 26/26 | 27/26 | 28/28 | 31/32 | 32/34 |
| Low | dB(A) | 25/25 | 26/25 | 27/27 | 30/31 | 30/32 |
| Quiet | dB(A) | 24/24 | 25/24 | 26/24 | 29/29 | 29/29 |
| Electrical | | | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Static Pressure | W. C. | 0 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 |
| Size & Weight | | | | | | |
| Net Weight | Ibs. (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 |
| | mm | 19 Flat |
| Refrigerant | | R410A | R410A | R410A | R410A | R410A |
| Additional Data | | | | | | |
| Air Filter Type | | Washable | Washable | Washable | Washable | Washable |
| Lineset Size | Inch | Gas 3/8 | Liq. 1/4 | Gas 3/8 | Liq. 1/4 | Gas 1/2 |
| | | | | | | Liq. 1/4 |
| | | | | | Gas 5/8 | Liq. 1/4 |

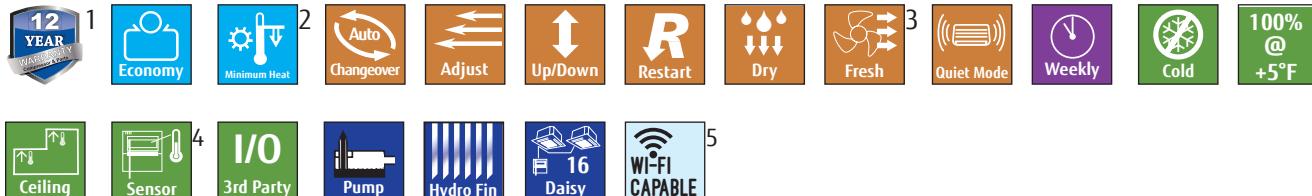
Note: Figures are based on 230 Volts.

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

MULTI-ZONE INDOOR



Optional remote controllers available



- 1 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

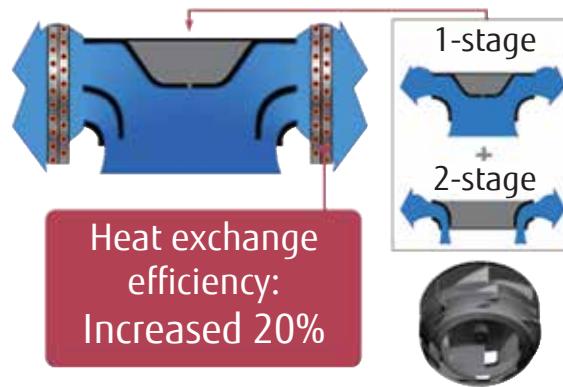
Maintenance is made simple by removing the ceiling panel next to the grille. Working on the cassette unit from an adjoining ceiling tile keeps disruption and construction costs down.



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

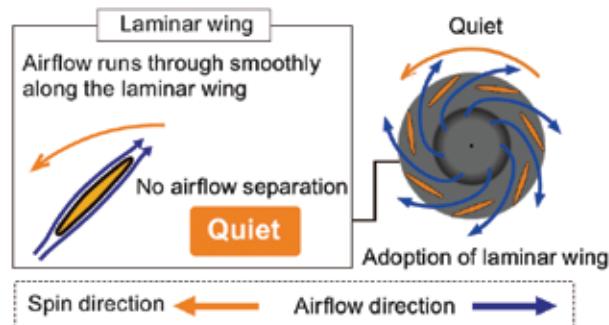
2-STAGE EFFICIENT FAN

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 |
|----------------------------------|-------------------------|--------------------|--------------------|--------------------|--------------------|
| Performance | | | | | |
| Rated Cooling | BTU/h | 7,000 | 9,000 | 12,000 | 18,000 |
| Rated Heating | BTU/h | 7,500 | 9,600 | 12,800 | 19,200 |
| Fan (Cooling Mode) | | | | | |
| Air Circulation: Hi | CFM (m ³ /h) | 318 (540) | 318 (540) | 359 (610) | 441 (750) |
| Medium | CFM (m ³ /h) | 288 (490) | 288 (490) | 312 (530) | 359 (610) |
| Low | CFM (m ³ /h) | 259 (440) | 259 (440) | 277 (470) | 306 (520) |
| Quiet | CFM (m ³ /h) | 230 (390) | 230 (390) | 241 (410) | 241 (410) |
| Fan Speed Stages | | 4+auto | 4+auto | 4+auto | 4+auto |
| Sound | | | | | |
| Indoor Sound Level (Clg/Htg): Hi | dB(A) | 33/34 | 33/34 | 37/37 | 42/44 |
| Medium | dB(A) | 31/32 | 31/32 | 33/33 | 37/40 |
| Low | dB(A) | 29/29 | 29/29 | 31/31 | 33/37 |
| Quiet | dB(A) | 27/27 | 27/27 | 28/28 | 29/30 |
| Electrical | | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Current Rated: Cooling | Amps | 0.15 | 0.15 | 0.20 | 0.35 |
| Current Rated: Heating | Amps | 0.15 | 0.15 | 0.20 | 0.35 |
| Input Power | W | 18 | 18 | 23 | 39 |
| Size & Weight | | | | | |
| 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 |
| Additional Data | | | | | |
| 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 |

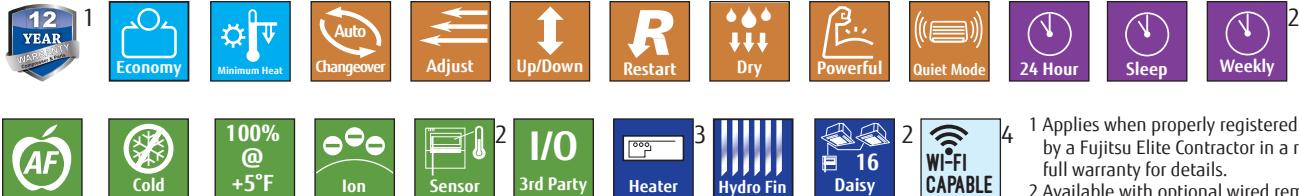
* Compact Cassette Grille UTG-CCGFG sold separately. Must order one with each compact cassette.

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

MULTI-ZONE INDOOR



Handheld remote control included with indoor unit



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

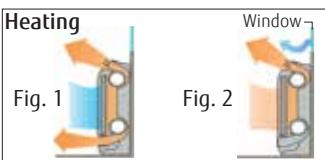
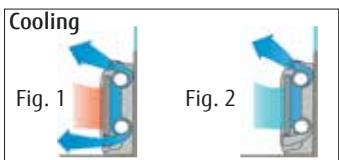
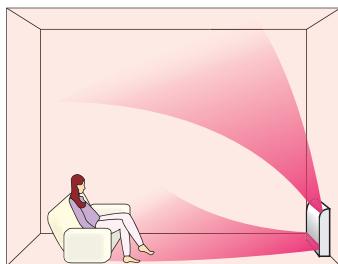
2 Available with optional wired remote control.

3 RLFFH models only.

4 See page 13 for details.

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.

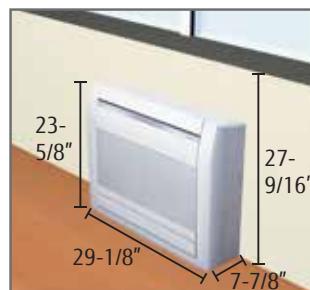


- Upon startup, both top and bottom louvers open.
- As the room temperature nears the setpoint, only the top louver stays open to help prevent cold air from falling.

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

FLEXIBLE AND EASY INSTALLATION

Beneath standard window



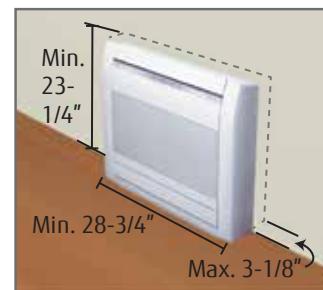
Wall



Standard concave installation



Half concealed*



*Field supplied insulation required

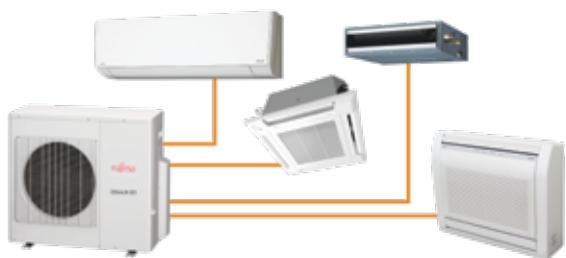


AGU9RLF, AGU12RLF, AGU15RLF

| | | AGU9RLF | AGU12RLF | AGU15RLF |
|----------------------------------|------------|--------------|--------------|--------------|
| Performance | | | | |
| Rated Cooling | BTU/h | 9,000 | 12,000 | 14,200 |
| Rated Heating | BTU/h | 12,000 | 16,000 | 18,000 |
| Fan (Cooling Mode) | | | | |
| 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 |
| Sound | | | | |
| Indoor Sound Level (Clg/Htg): Hi | dB(A) | 39/39 | 42/42 | 44/44 |
| Medium | dB(A) | 34/34 | 36/38 | 38/39 |
| Low | dB(A) | 28/28 | 30/32 | 31/33 |
| Quiet | dB(A) | 22/22 | 22/22 | 22/22 |
| Electrical | | | | |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Current Rated: Cooling | Amps | 0.15 | 0.18 | 0.20 |
| Current Rated: Heating | Amps | 0.15 | 0.18 | 0.20 |
| Input Power | W | 16 | 18 | 23 |
| Size & Weight | | | | |
| Net Weight | Ibs. (kg) | 31 (14) | 31 (14) | 31 (14) |
| Dimensions: Height | Inch | 23-5/8 | 23-5/8 | 23-5/8 |
| | mm | 600 | 600 | 600 |
| Width | Inch | 29-1/8 | 29-1/8 | 29-1/8 |
| | mm | 740 | 740 | 740 |
| Depth | Inch | 7-7/8 | 7-7/8 | 7-7/8 |
| | mm | 200 | 200 | 200 |
| Refrigerant | | R410A | R410A | R410A |
| Additional Data | | | | |
| Air Direction: Horizontal | | Manual | Manual | Manual |
| Air Direction: Vertical | | Auto | Auto | Auto |
| Apple Catechin Filter | | Washable | Washable | Washable |
| Ion Deodorizing Filter | | Yes | Yes | Yes |
| Connection Method | | Yes | Yes | Yes |
| Lineset Size | Inch | 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.

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 |

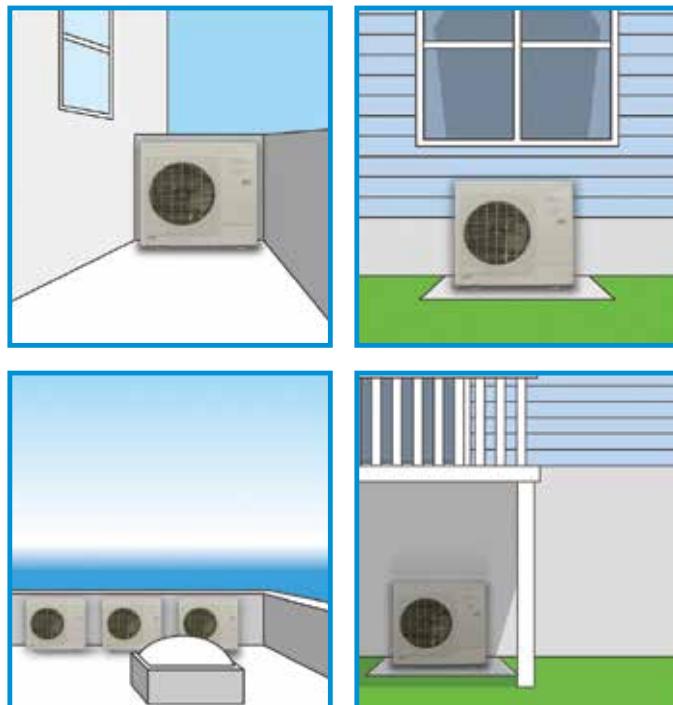


Energy Star® Rated Combination



COMPACT SIZE

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



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 |
|--|-------------------------|------------------------------|--------------------------------------|--------------------------------------|
| Performance | | | | |
| Connectable Indoor Units | 2 | 2 to 3 | 2* to 4 | 2 to 5 |
| Connectable Unit Capacity Class | BTU/h | 14 to 21,000 ¹ | 14 to 27,000 ¹ | 27 to 39,000 ¹ |
| Rated Capacity Cooling / Heating | BTU/h | 18,000 / 22,000 | 22,000 / 24,000 | 35,200 / 36,400 |
| Cooling Operating Range | °F (°C) | 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) |
| Electrical | | | | |
| Rated Input Power Clg/Htg | kW | 1.44/1.87 | 1.76/1.73 | 3.52/3.00 |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Maximum Total Current | Amps | 10.0 | 13.7 | 20.3 |
| Minimum Circuit Ampacity | Amps | 12.1 | 16.7 | 24.6 |
| Maximum Circuit Breaker | Amps | 15 | 20 | 30 |
| Fan: Type x Quantity | | Propeller x 1 | Propeller x 1 | Propeller x 1 |
| Sound Pressure Level Cooling | dB(A) | 49 | 51 | 53 |
| Sound Pressure Level Heating | dB(A) | 49 | 52 | 55 |
| Lineset Requirements | | | | |
| Minimum Lineset Length Each | ft(m) | 16 (5) | 16 (5) | 16 (5) |
| Maximum Lineset Length Each | ft(m) | 82 (25) | 82 (25) | 82 (25) |
| Minimum Lineset Length Total | ft(m) | 49 (15) | 49 (15) | 66 (20) |
| Maximum Lineset Length Total | ft(m) | 164 (50) | 164 (50) | 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 |
| Size & Weight | | | | |
| Net Weight | lbs. (kg) | 119 (54) | 124 (56) | 149 (68) |
| Dimensions: Height | Inch | 27-9/16 | 27-9/16 | 32-11/16 |
| | mm | 700 | 700 | 830 |
| Width | Inch | 35-7/16 | 35-7/16 | 35-7/16 |
| | mm | 900 | 900 | 900 |
| Depth | Inch | 13 | 13 | 13 |
| | mm | 330 | 330 | 330 |
| Refrigerant | | R410A | R410A | R410A |

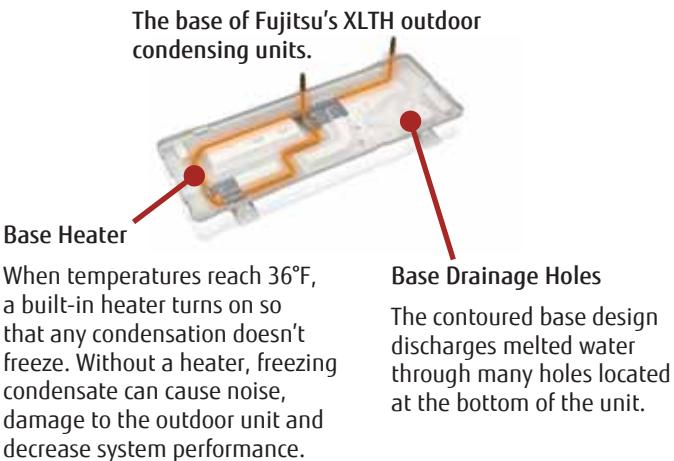
*18+18 is the only 2 indoor unit combination and requires K9FZ1818
¹See table for allowed combinations within this connectable capacity range.

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



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.



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



IMPROVED HEATING CAPACITY

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



SERVICE VALVES

AOU18RLXFZH / AOU24RLXFZH

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

BENEFITS:

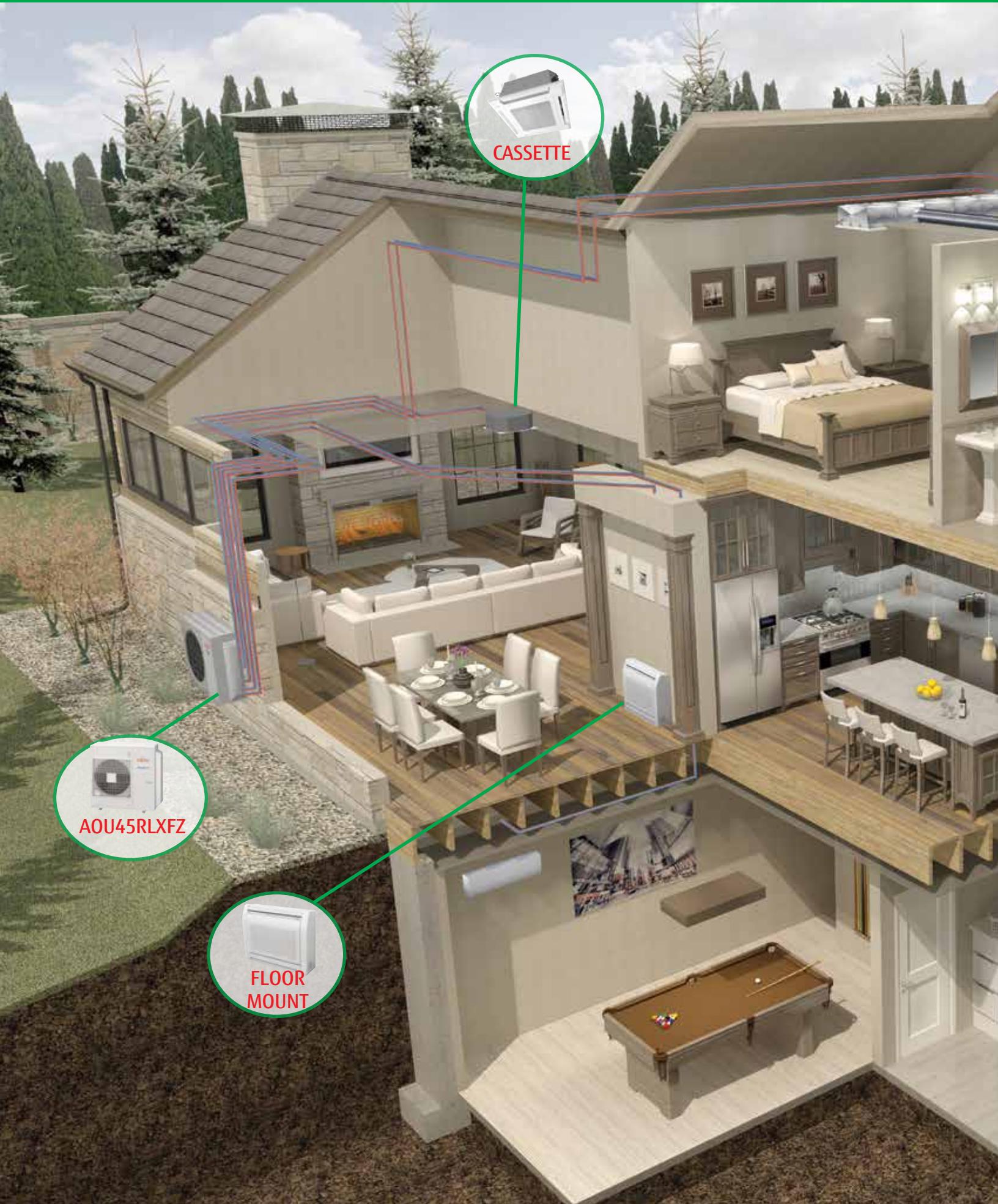
- **Installation** – Allows for reduced installation time.
- **Service** – Allows for refrigerant isolation of each zone, if necessary.
- **Add Ons** – Ease of additional add-ons.

The AOU36RLXFZH does not have this feature.



HIGH-HEAT AOU18RLXFZH, AOU24RLXFZH, AOU36RLXFZH

| | AOU18RLXFZH ASU9+ASU9 | AOU24RLXFZH ASU9+ASU7+ASU7 | AOU36RLXFZH ASU9 x 4 | |
|--|--------------------------|-------------------------------|--------------------------------------|--------------------------------------|
| Performance | | | | |
| 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) |
| Electrical | | | | |
| Rated Input Power Clg/Htg | kW | 1.33/1.70 | 1.65/1.81 | 2.70/2.67 |
| Voltage/Frequency/Phase | | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Maximum Total Current | Amps | 16.4 | 20.8 | 26.0 |
| Minimum Circuit Ampacity | Amps | 19.7 | 25.1 | 31.5 |
| Maximum Circuit Breaker | Amps | 20 | 30 | 40 |
| Fan: Type x Quantity | | Propeller x 1 | Propeller x 1 | Propeller x 1 |
| Sound Pressure Level Cooling | dB(A) | 48 | 50 | 53 |
| Sound Pressure Level Heating | dB(A) | 50 | 52 | 55 |
| Lineset Requirements | | | | |
| Minimum Lineset Length Each | ft(m) | 16 (5) | 16 (5) | 16 (5) |
| Maximum Lineset Length Each | ft(m) | 82 (25) | 82 (25) | 82 (25) |
| Minimum Lineset Length Total | ft(m) | 49 (15) | 49 (15) | 49 (15) |
| Maximum Lineset Length Total | ft(m) | 164 (50) | 230 (70) | 230 (70) |
| Pre-Charge Length Total | ft(m) | 98 (30) | 98 (30) | 164 (50) |
| Maximum Lineset Height Difference Btwn Outdoor Unit & Furthest Indoor Unit | ft(m) | 49 (15) | 49 (15) | 49 (15) |
| Maximum Lineset Height Difference Btwn Indoor Units | ft(m) | 33 (10) | 33 (10) | 33 (10) |
| Lineset Diameter | Inch | Liq. 1/4 x 2 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 |
| Size & Weight | | | | |
| 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 |





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

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

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 |



AOU36RLXFZ

AOU36RLXFZH

Connect 2-4 indoor units

| AOU36RLXFZH | | |
|-------------|------------------|-------|
| ZONE 1 | ZONE 2 | TOTAL |
| 7 | 24 ^{oo} | 31 |
| 9 | 24 ^{oo} | 33 |
| 12 | 24 ^{oo} | 36 |
| 15 | 24 ^{oo} | 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^ | 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 °
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.

° Optional kit UTP-MU45A2 is required to connect ASUH24LPAS.

* The optional kit "K9FZ1818 (UTP-MU36A2)" is necessary for dual zone system "18+18" with AOU36RLXFZ1 only.

^ Wall mounted type ASUH18LPAS cannot be connected in this combination using AOU36RLXFZ1. Combination allowed with AOU36RLXFZH.

° Actual rated cooling capacity of ASUH15LPAS is 14,000 BTU/h. Do not use combination table for system capacity calculations.

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



AOU45RLXFZ
Connect 2-5
indoor units

| AOU45RLXFZ | | | |
|------------|------------------|-------|--|
| ZONE 1 | ZONE 2 | TOTAL | |
| 12 | 24 ^{oo} | 36 | |
| 15 | 24 ^{oo} | 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 |
| 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 | 54 |
| 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 |
| 12 | 12 | 18 | 18 | 54 |
| 15 | 15 | 15 | 15 | 54 |
| 15 | 15 | 18 | 18 | 54 |
| 15 | 15 | 24 | 54 | |
| 15 | 18 | 18 | 51 | |
| 18 | 18 | 18 | 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 | 51 |
| 7 | 7 | 7 | 9 | 18 | 54 |
| 7 | 7 | 9 | 9 | 9 | 41 |
| 7 | 7 | 9 | 9 | 12 | 44 |
| 7 | 7 | 9 | 9 | 9 | 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 | 9 | 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 | 9 | 12 | 51 |
| 9 | 9 | 9 | 9 | 15 | 54 |
| 9 | 9 | 9 | 12 | 12 | 54 |
| 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

ACCESSORIES

ACCESSORY COMPATIBILITY

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

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

2 Requires accessory communication kit #UTY-TWRXZ2.

4 LZAS indoor units require the removal of built-in WIFI module.

5 Requires UTY-WIFI.

6 Wireless Receiver required.

7 A: for ADUH09, 12. B: for ADUH18. C: for ADUH24.

8 LZBS indoor units only. LZAS indoor units include WIFI module.

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)

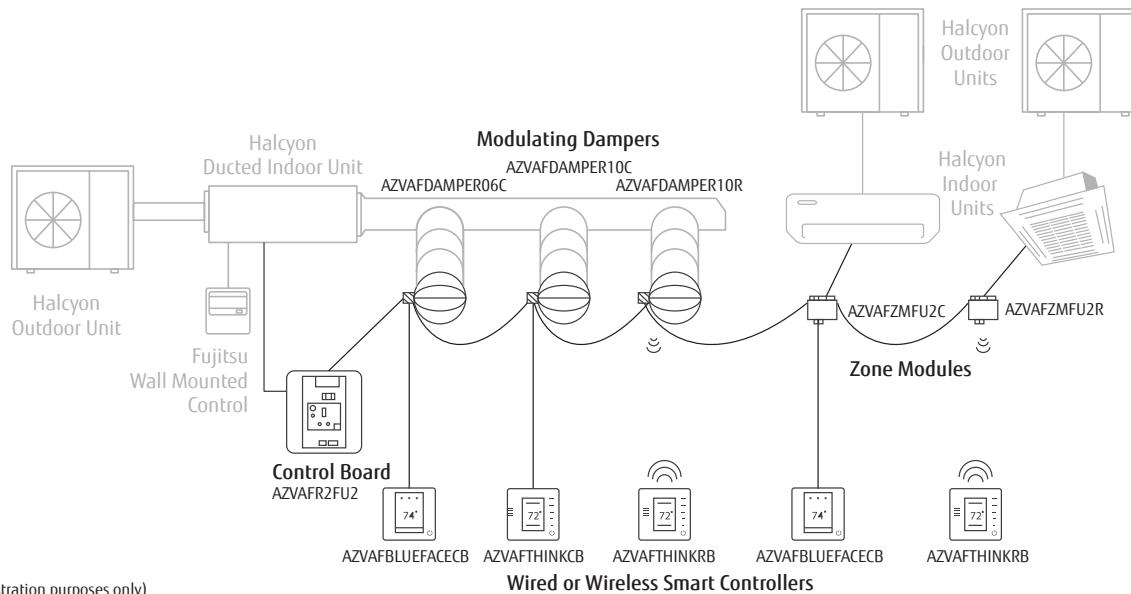
BENEFITS

- 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

| | | | | |
|---|---|---|--|---|
| <p>Wired Remote Control</p> <p>UTY-RNNU*</p> <p>UTY-RNBYU^</p> <p>3-Wire</p> <p>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.</p> | <p>Wired Remote Control</p> <p>UTY-RVNUM</p> <p>3-Wire</p> <p>Group Control</p> <p>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.</p> | <p>Simple Remote Control</p> <p>Group Control</p> <p>2-Wire</p> <p>UTY-RSRY</p> <p>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.</p> | <p>Simple Remote Control</p> <p>Group Control</p> <p>2-Wire</p> <p>UTY-RHRY</p> <p>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.</p> | <p>Wired Remote (Touch Panel)</p> <p>Group Control</p> <p>UTY-RNRUZ Series</p> <p>2-Wire</p> <p>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.</p> |
| <p>Wireless Remote Control</p> <p>UTY-LNTU</p> <p>For Compact Cassettes.</p>  | <p>Central Controller</p> <p>UTY-DMMUM</p> <p>3-Wire</p> <p>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.</p>  | <p>Remote Sensor</p> <p>UTY-XSZX</p> <p>Wall mounted room temperature sensor for Slim Dduct, Medium Static duct, and Multi Position AHU models. Replaces room temperature sensor in the return when installed while still allowing for temperature correction.</p>  | <p>IR Receiver Kit</p> <p>UTY-LBTUM</p> <p>For Medium Static Duct, Slim duct, and Multi Position AHU units. Includes a wireless remote control and receiver.</p>  | <p>IR Receiver Kit</p> <p>UTY-LBTUC</p> <p>For Large Circular Flow Cassettes. Includes a wireless remote control and receiver.</p>  |
| | | | | <p>Plug Model</p> <p>UTY-WIFI</p> <p>In order to connect certain models to Wired Wi-Fi Module, FJ-RC-WIFI-1NA/1BT, this plug must be used.</p>  |

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-XCBX2Z) 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 | SAMPLE WI-FI APP SCREEN DISPLAYS | Wi-Fi Module Model: UTY-TFNXZ2 Works with FG Lair® app (Room temp DOES NOT display in FG Lair app) |
| Wired Module Model: FJ-RC-WIFI-1NA/1BT Works with Intesis AC Cloud Control® 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 ¹ 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.

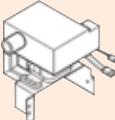
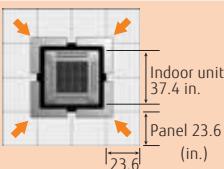
INTERFACE KITS

| | | | |
|---|--|---|--|
| Human Sensor Kit UTY-SHZC 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 KHSR940-25 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 |  | R410A Swivel Adapter K9R410A55 |  | Adapter Kit UTP-MU45A2 |
| For use where code requires a disconnect at the indoor unit. | | 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. | | For 2 unit combination system Changes liquid pipe size from 1/4" to 3/8". Used for specific ASUH24LPAS multi-zone combinations. Reference combination tables for details. |
| Condensate Pump UTR-DPB24T |  | 18+18 Combo Fittings Kit K9FZ1818 (UTP-MU36A2) |  | 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) |
| OEM design plugs into factory harness for ease of installation. Rated for 11.8" of vertical lift. Only used with System 36RSLX. | | 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 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 |  | 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 | |
| AOU12RL2 | UTZ-DUWBCA |
| AOUH09LMAS1 | |
| AOUH12LMAS1 | UTZ-DUWBG2A |
| AOUH09LMAH1 | |
| AOUH12LMAH1 | |
| AOUH09LUAS1 | |
| AOUH12LPAS1 | |
| AUG09LZAS1 | |
| AUG12LZAS1 | |
| AUG15LZAS1 | |
| AOU09LZAH1 | |
| AOU12LZAH1 | |
| AOU15LZAH1 | |
| AOUH12LUAS1 | |
| AOUH18LUAS1 | |
| AOUH18LPAS1 | |
| AOUH24LPAS1 | |
| AOU45RLXFZ | |
| AOU36RLXFZ | |
| AOG36LMAS1 | |
| AOG48LMAS1 | |
| AOU30RLXEH | |
| AOU42RGLX | |
| AOU48RGLX | UTZ-DUWBYA* |

| HALCYON MODEL | WIND BAFFLE MODEL |
|---------------|-------------------|
| AOU18RLXFWH | |
| AOU24RLXFWH | |
| AOU18RLX | |
| AOU24RLX | |
| AOU36RLX | |
| AOU18RLXFZH | |
| AOU24RLXFZH | |
| AOU36RLXFZ1 | |
| AOU18RGLX | |
| AOU24RGLX | |
| AOU30RGLX | |
| AOU36RGLX | |
| AOU45RLXFZ | |
| AOU36RLXFZ | |
| AOG36LMAS1 | |
| AOG48LMAS1 | |
| 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 Bulletin AH20201101A for best practices regarding wind baffle usage.

SNOW HOOD COMPATIBLE UNITS

| HALCYON MODEL | SNOW HOOD MODEL |
|---------------|-----------------|
| AOU9RL2 | UTZ-DUSHCA |
| AOU12RL2 | |
| AOUH09LMAS1 | |
| AOUH12LMAS1 | UTZ-DUSHG2A |
| AOUH09LUAS1 | |
| AOUH12LPAS1 | |
| AUG09LZAS1 | |
| AUG12LZAS1 | |
| AUG15LZAS1 | |
| AOU09LZAH1 | |
| AOU12LZAH1 | |
| AOU15LZAH1 | |
| AOUH12LUAS1 | |
| AOUH18LUAS1 | |
| AOUH18LPAS1 | |
| AOUH24LPAS1 | |
| AOU18RLXFZ | |
| AOU24RLXFZ | |

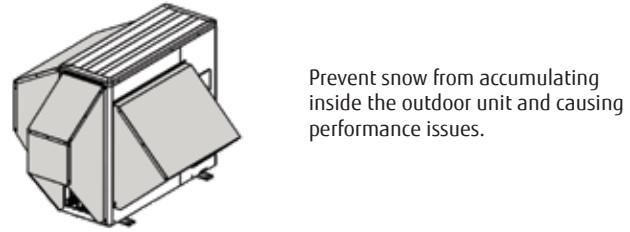
UTZ-DUSHVA

UTZ-DUSHWA

| HALCYON MODEL | SNOW HOOD MODEL |
|---------------|-----------------|
| AOU18RLXFWH | |
| AOU24RLXFWH | |
| AOU18RLX | |
| AOU24RLX | |
| AOU36RLX | |
| AOU18RLXFZH | |
| AOU24RLXFZH | |
| AOU36RLXFZ1 | |
| AOU18RGLX | |
| AOU24RGLX | |
| AOU30RGLX | |
| AOU36RGLX | |
| AOU45RLXFZ | |
| AOU36RLXFZ | |
| AOG36LMAS1 | |
| AOG48LMAS1 | |
| AOU30RLXEH | |
| AOU42RGLX | |
| AOU48RGLX | UTZ-DUSHYA |

UTZ-DUSHUA

UTZ-DUSHYA



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

LINESET SIZES AND LENGTHS - SINGLE ZONE

| | | SINGLE-ZONE SYSTEMS | | | | | | | | | | | | | | | | | | | FLOOR MOUNT | | | | | | | | | |
|---------------------------------------|---------|---------------------|---------|---------|----------|---------|---------|---------|---------|---------|---------|---------|----------|---------|---------|---------|---------|----------|----------|---------|-------------|----------|----------|----------|---------|---------|---------|----------|---------|----------|
| | | WALL MOUNTED | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 9RL2 | 09LPAS1 | 09LMAS1 | 09LMAH1 | 09LEAS1 | 09LZAS1 | 09LZAH1 | 12RL2 | 12LPAS1 | 12LMAS1 | 12LMAH1 | 12LEAS1 | 12LZAS1 | 12LZAH1 | 15LZAS1 | 15LZAH1 | 18LPAS1 | 18RLXFWH | 24LPAS1 | 24RLXFWH | 30LPAS1 | 30RLXFWH | 36LPAS1 | 9RLFF | 9RLFFH | 12RLFF | 12RLFFFH | 15RLFF | 15RLFFFH |
| 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) | 66 (20) | 25 (7.5) | 66 (20) | 66 (20) | 66 (20) | 66 (20) | 164 (50) | 164 (50) | 66 (20) | 165 (50) | 164 (50) | 246 (75) | 164 (50) | 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) | 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) | 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) | 10 (3) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 6.5 (2) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 16 (5) | 10 (3) | 10 (3) | 10 (3) | 10 (3) | 10 (3) | |

| | | SINGLE-ZONE SYSTEMS | | | | | | | | | | | | | | | | | | | CIRCULAR FLOW LARGE CASSETTE | | | | | | | | | |
|---------------------------------------|---------|---------------------|----------|----------|----------|----------|----------|-----------|----------|----------|----------------------|----------|----------|----------|----------|----------|----------------------------|----------|----------|----------|------------------------------|----------|---------------------------|----------|----------|----------|----------|---------|---------|---------|
| | | COMPACT CASSETTE | | | | | | SLIM DUCT | | | MEDIUM STATIC DUCTED | | | | | | MULTI-POSITION AIR HANDLER | | | | | | UNIVERSAL FLOOR / CEILING | | | | | | | |
| | | 09LUAS1C | 12LUAS1C | 18LUAS1C | 09LUAS1D | 12LUAS1D | 18LUAS1D | 12LUAS1R | 18RGXD | 24RGXD | 30RGXD | 36RGXD | 42RGXD | 48RGXD | 24RGlxM | 30RGlxM | 30LUAH1M | 36LMAS1 | 36LMAH1M | 48LMAS1 | 48LMAH1M | 18RULX | 24RULX | 36RSUX | 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) | | | |
| 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) | 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) | | | |



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 | ADUH07LUAS1 | ACUH07LUAS1 |
| ● | ● | ● | | | ● | ● | ● | ● |
| 1/4" x 3/8" | | | | | | | | |
| 1/4" x 1/2" | | | ● | ● | ● | | | |
| 1/4" x 5/8" | | | | | | | ● | |
| 3/8" x 1/2" | | | | | | | ● | ● |
| Each Indoor Unit | 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^ | AOU45RLXFZ^ |
| 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) |

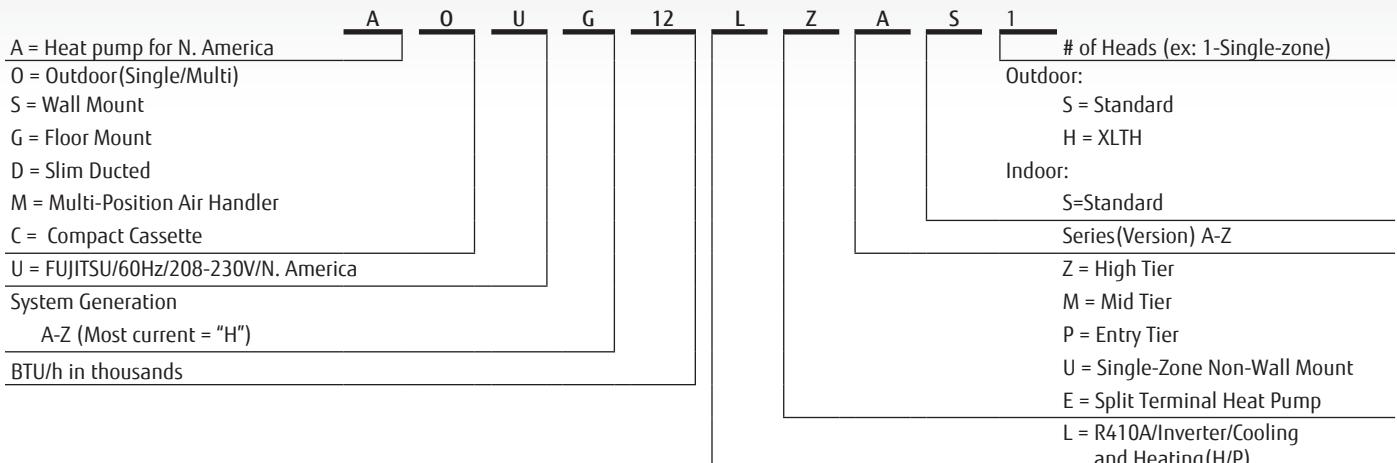
* 18 + 18 indoor unit combination allowed with AOU36RLXFZ1 requires kit K9FZ1818 (UTP-MU36A2).

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

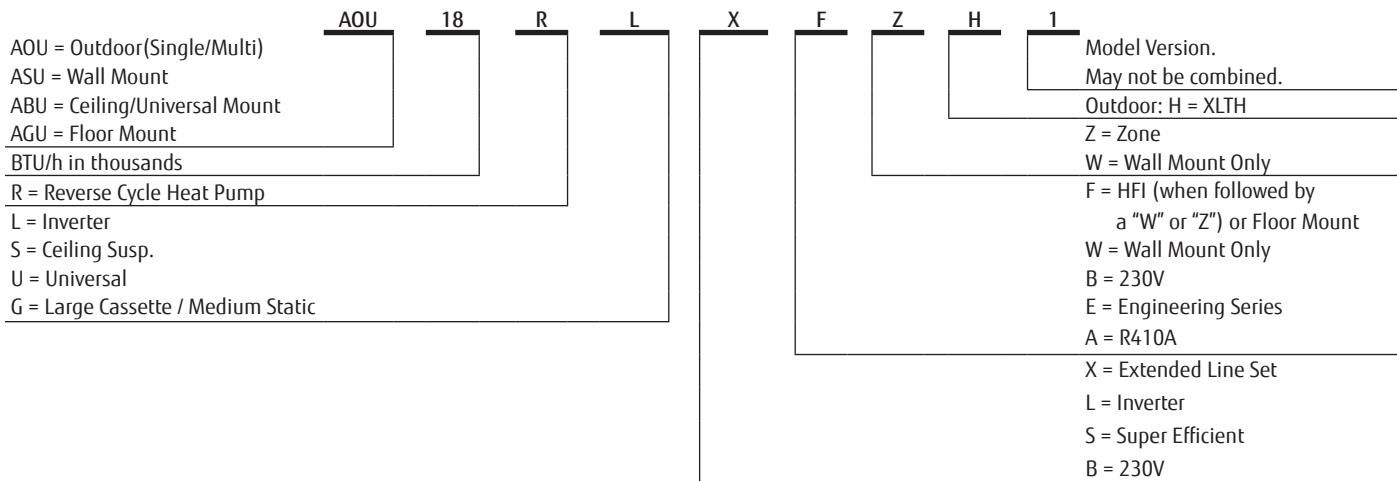


FUJITSU MODEL NOMENCLATURE

"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, ABU36RSXLX, AUU18RLCX, AUU24RCLX, AUU36RCLX, AUU42RCLX, AOU18RLX, AOU24RLX, AOU30RLX, AOU36RLX, AOU42RLX

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

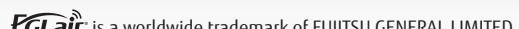
For full details, see Halcyon Warranty Statement.

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NON-INTERNET RETAIL POLICY

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

NOTE

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

THINGS TO KNOW BEFORE YOU INSTALL A FUJITSU SYSTEM

WARNING

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

HEAT PUMP DISCLAIMER

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

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

DISCLAIMER

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

CERTIFICATIONS

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.



- ISO9001
- ISO14001

AHRI ENERGY GUIDE® PROGRAM (U.S.)

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



ASTM

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

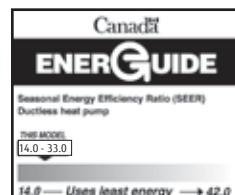
RoHS COMPLIANT

Fujitsu participates in the RoHS Directive, which is the Restriction of Hazardous Substances in electrical and electronic equipment. It is an EU directive intended to 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.



HRAI ENERGUIDE® PROGRAM (CANADA)

Samples:



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

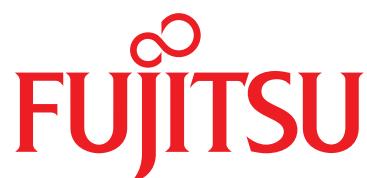
Halcyon Mini-Splits Are For You If:

- 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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