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

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

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

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

HOW DOES A MINI-SPLIT WORK?
Like your refrigerator, heat pumps use electricity to pump refrigerant and transfer heat from one space to another. When we transfer heat from within our home to the outdoors, we call it “air conditioning”. Conversely, when we transfer heat from the outdoors to within the home, we call it a “heat-pump”.

HEAT PUMPS PROVIDE HEAT WHEN IT IS COLD
Because refrigerant is naturally much colder than outdoor temperatures even on a very cold day, it actually absorbs heat from outdoors, and transfers the heat it absorbs outside to within your home. The refrigerant’s physical properties do this naturally. We use efficient compressors to pump refrigerant via small copper tubing from outdoors to indoors. Because we move the heat rather than create it (as electric baseboard or resistant heat does), we can deliver up to 4 times the heat for the energy we consume as baseboard heat!

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

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

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

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

**INDIVIDUAL ZONING: PERSONALIZED WHOLE-HOME COMFORT**

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

- **HFI** - This symbol denotes indoor units that can be used in single OR multi-zone applications
- Each indoor unit can be operated independently via remote control
- Choose from a variety of indoor unit styles
- Provide both heating and cooling (not simultaneously)
- High energy efficiencies
- Quiet operation

**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

Shown here is a 3-zone system using outdoor unit AOI36RLXFZ1.

**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

**FLOOR MOUNTED**

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

- Compact size fits easily under a standard window
- Features twin airflow for improved heat delivery and help those cold feet.
- Designer wireless remote control

**COMPACT CASSETTE**

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

- Wired remote control (wireless is optional)
- Powerful turbo fan operation
- Fits into a standard 2’ x 2’ ceiling grid
A SOLUTION FOR ALL OF YOUR COMFORT NEEDS

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

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

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

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

CENTRAL AIR SYSTEM VERSUS FUJITSU HFI 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.

ENERGY EFFICIENT: THE SMART CHOICE IN COMFORT
As much as half of the energy used in your home goes to heating and cooling. So, making smart decisions about your home’s heating and air conditioning system can have a big effect on your utility bills — and your comfort.

WHERE DOES MY MONEY GO?
The high energy efficiencies of Halcyon systems slash utility bills by up to 25%. If your average annual utilities are $4,200, Fujitsu can save you up to $1,050 annually or $10,500 in 10 yrs!*

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

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

www.fujitsugeneral.com

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

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

SEER......... > 15.0
EER.......... > 12.5
HSPF........> 8.5

Fujitsu saves up to 25% on your utility bill
**FEATURES**

**COMFORT AND CONVENIENCE**

**FLEXIBLE AND QUIET**

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

**CONSTANT COMFORT THROUGH INVERTER TECHNOLOGY**

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

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

**USER FRIENDLY CONTROL**

Fujitsu is using ergonomics to expand the use of user friendly designs such as easy-to-read large LCD displays, easy-to-operate buttons, and displays with easily recognizable colors and icons. We are producing control systems that provide greater convenience for both individual and centralized control with operability suitable for the application.

**APPLICATIONS**

**WHERE CAN MINI-SPLITS BE USED?**

Convenience stores
- Fast food chains
- Fire houses
- Police stations
- Bars
- Sunrooms and additions
- Warehouses
- Nursing homes
- Small offices
- Older homes
- New construction homes
- Schools
- Places of worship
- Hospitals and medical facilities
- Restaurants
- Computer rooms
- Hotels and motels
- ATM vestibules
- Server rooms

**JUST ABOUT ANY PLACE THAT REQUIRES COMFORT!**
FEATURES

WALL UNIT

SLIM DUCT

CEILING CASSETTE

FLOOR UNIT

FUJITSU HALCYON WIFI SELECTION GUIDE

WIFI CONNECTABLE UNITS & MODULES

- IntesisHome®
- ITESISOHOME®

RLS3Y & RLS3YH (Built In) WIFI Interface Module IR Wireless Module Wired Module

ASU 9 / 12 / 15 RLS3Y UTY-TFNXZ2 (Add-on) FJ-IR-WIFI-THA (Add-on) FJ-RC-WIFI-THA (Add-on)

 WHICH APP DOES IT USE?

- FGLair®
- IntesisHome®

FGLair® APP FEATURES:

• On/Off
• Change Mode
• Change Temp Setpoint
• Fan Speed
• Weekly Timer
• Economy Setting
• Fully Programmable
• Alarm Notifications

IntesisHome® APP FEATURES:

• On/Off
• Louver/Swing Position
• Weekly Timer
• Change Mode
• Error display

App available on iOS and Android. Can also be run through a web browser.

WHERE DOES IT MOUNT?

Built into the RLS3Y
On the wall next to IDU
Up to 20’ away from IDU
On the wall next to IDU

COMPATIBLE UNITS:

WALL MOUNTS:

- ASU 7 / 9 / 12 / 18RLF
- ASU 9 / 12 / 15RLF
- ASU 18 / 24 / 36 / 42 RCLF
- ASU 30 / 36 CLF

FLOOR MOUNTS:

- AGU 9 / 12 / 15 RLF

CASSETTES:

- AUU 7 / 9 / 12 / 18 RLF
- AUU 18 / 24 / 36 / 42 RCLF

DUCTED:

- ARU 7 / 9 / 12 / 18 / 24 RLF

UNIVERSAL / CEILING:

- ABU 18 / 24 / 36 / 42 RULX

* requires UTY-XEBD2T
* requires UTY-XEBD2S
* requires UTY-TM08FX
* requires UTY-LB8K
* requires UTY-WIFI
* requires UTY-XCD822
* requires UTY-TWHDF1

USER FRIENDLY INTERFACE

User friendly screen display facilitates easy operation.

MAIN FUNCTIONS

• ON / OFF
• Operation mode
• Fan speed
• Louver position
• Temperature setting
• Set temperature control

• Weekly timer
• Minimum heat
• ESP function
• Error display
• Email notification

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

ON/OFF button
Room temperature*
Temperature setting
Operation mode

Second house
On
Off
Set minimum heat
Check operation

IntesisHome is a worldwide trademark of FUJITSU GENERAL LIMITED.

FGLair (registered trademark of FUJITSU GENERAL LIMITED.)
EXTRA LOW TEMPERATURE HEATING - XLTH

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

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

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

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

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

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

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

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

FEATURE EXPLANATION

FEATURE EXPLANATION

ENERGY SAVING

2018 Seasonal Energy Efficiency Rating. Used to express efficiency of an AC or Heat Pump. A higher rating means more efficient.

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

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

Energy Saving
Keeps room cool enough for comfort by using a relaxed thermostat setting reducing power consumptions.

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

ENERGY STAR® Qualified
Quailified products and positions 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.

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

COMFORT

Auto Changeover (heating to cooling or vice versa)
Automatically alternates between heating and cooling if the room temperature drops 4°F below the set temperature when cooling or rises 4°F above set temperature when heating.

Auto Fan Mode
Systems starts in high fan speed and automatically adjusts downward as room begins to reach set temperature.

Auto Louver: 4 Way
Directs airflow automatically with up/down and left/right motion.

Auto Louver: Slidhrough
Directs airflow automatically with several positions and up/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 opposition 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
With integrated compressor and fan speed during high speed operation for noise reduction program.

Powerful Operation
50 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 disturbated.

• Function is activated during defense and air flow speed operation. This feature may limit cooling / heating capacity during high airflow, adverse environmental conditions, and extreme energy consumption on systems may need to operate longer due to reduced compressor speed.

• Auto Changeover: During low temperature condition, system is designed to provide quick changes between heating and cooling operation to give the best comfort. If the outdoor unit operates at less than 1°F or 2°F below the indoor unit, the outdoor unit will cycle heating and cooling according to the current room temperature conditions.

• When the XLTH unit is installed, all indoor units have similar heating and cooling requirements and have similar temperature set points. all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.

CONVENIENCE

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

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

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

PERFORMANCE

Apple Catechol/Filter (prophylactic ingredient from apples)
That, mold spores and microorganisms are absorbed onto the filter by static electricity and growth is inhibited. 5 - 12 month life expectancy.

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

Expanded Heating Performance
Delivers 100% of rated heating capacity at -15°F (-26°C).

High Ceiling Mode
Temperature at the top of a high ceiling room may be warmer than the space occupied, this may require adjustments to this difference.

Ion Deodorizing Filter
Deodorizes by decomposing absorbed odors using the exciliating and reducing effects of ions generated by fine ceramic particles. 3 year life expectancy. Wash to return surface active.

Pump Shown Operation
Collects all refrigerant in system back into the outdoor unit when the unit is to be moved or before servicing the refrigerant circuit.

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

Third Party Device Control
Turns system on or off using a normally closed circuit. Interface with third party devices such as home automation.

28°F Low Ambient Cooling
Can operate in cooling mode with outdoor temperatures as low as 0°F.

Operation outside of factory specification is not recommended.

2°F Low Ambient Cooling
Can operate in cooling mode with outdoor temperatures down to -5°F.

Operation outside of factory specification is not recommended.

INSTALLATION

Base Pan Heater
Prevents condensate from freezing on the outdoor unit.

Blue fin heat exchanger
Blue fin treatment to the outdoor unit’s heat exchanger increases corrosion resistance.

Branch Dart Capable
Systems are capable of attaching field supplied branch ducts providing up to 36% of the cooling up to 16 feet away.

Built in Condensate Pump
Integrated into the indoor unit.

Ductless Chime
Able to connect to up to 16 identical style indoor units to one wired remote.

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

Current body can be moved downward into the room 1-1/8" to accommodate existing ongoing cooling requirements.

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

Extended Warranty
Additional info on page 74. See full product warranty for details.
## Single-Zone Heat Pumps

<table>
<thead>
<tr>
<th>Model Code</th>
<th>Floor Mount</th>
<th>Cassette</th>
<th>Slim Duct</th>
<th>Large Wall</th>
<th>Compact Wall</th>
</tr>
</thead>
<tbody>
<tr>
<td>12RLFW1</td>
<td>18.0</td>
<td>20.0</td>
<td>22.0</td>
<td>24.0</td>
<td>26.0</td>
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<tr>
<td>15RLS3Y</td>
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<td>20.0</td>
<td>22.0</td>
<td>24.0</td>
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<tr>
<td>18RLB</td>
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<td>21.0</td>
<td>23.0</td>
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<td>19.0</td>
<td>21.0</td>
<td>23.0</td>
<td>25.0</td>
<td>27.0</td>
</tr>
</tbody>
</table>

### System Feature Summary

- **SEER and HSPF ratings** depend on the combination of indoor units and outdoor unit selected.
- **Minimum heat mode** systems with more than one indoor unit are 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.
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# SINGLE-ZONE AND MULTI-ZONE SYSTEMS LINEUP

## SINGLE-ZONE DUCTLESS HEAT PUMP SYSTEMS

<table>
<thead>
<tr>
<th>BTU</th>
<th>9,000</th>
<th>12,000</th>
<th>15,000</th>
<th>18,000</th>
<th>24,000</th>
<th>30,000</th>
<th>36,000</th>
<th>42,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wall Mount Highest SEER</td>
<td>ASU9RLS3Y / AOU9RLS3H</td>
<td>ASU12RLS3Y / AOU12RLS3H</td>
<td>ASU15RLS3Y / AOU15RLS3H</td>
<td>ASU18RLS3Y / AOU18RLS3H</td>
<td>ASU24RLS3Y / AOU24RLS3H</td>
<td>ASU30RLS3Y / AOU30RLS3H</td>
<td>ASU36RLS3Y / AOU36RLS3H</td>
<td></td>
</tr>
</tbody>
</table>

## MULTI-ZONE DUCTLESS HEAT PUMPS - OUTDOOR UNITS

### Compact Wall Mount
- ASU7RLF1
- ASU9RLF1
- ASU12RLF1
- ASU15RLF1

### Large Wall Mount
- ASU18RLF1
- ASU24RLF1

### Slim Duct
- ARU7RLF1
- ARU9RLF1
- ARU12RLF1

### Compact Cassette
- AUU7RLF1
- AUU9RLF1

### Floor Mount
- AGU7RLF1
- AGU9RLF1
- AGU12RLF1

### MULTI-ZONE DUCTLESS HEAT PUMPS - INDOOR UNITS

### Compact Wall Mount
- AOU7RLF1
- AOU9RLF1
- AOU12RLF1
- AOU15RLF1

### Large Wall Mount
- AOU18RLF1
- AOU24RLF1

### Slim Duct
- AOU7RLF1
- AOU9RLF1
- AOU12RLF1

### Compact Cassette
- AUU7RLF1
- AUU9RLF1

### Floor Mount
- AGU7RLF1
- AGU9RLF1
- AGU12RLF1

### MINIMUM AMBIENT TEMPERATURES
- heating: -15°F / -5°F / 5°F / 0°F / 14°F / 15°F
- cooling: 14°F / 15°F

### ENERGY STAR® COMBINATION REQUIREMENTS
- The only combinations that qualify for ENERGY STAR® are:
  - AOU36RLXFZH with (4) ASU9RLF1
  - AOU36RLXFZ1 with (2) ARU18RLF1
  - ARU18RLF1 with (2) ASU9RLF1 + (1) ASU12RLF1
  - ASU18RLF1 with (2) AOU12RLF1 + (1) AOU15RLF1

### NOTE
- If an outdoor unit is paired with more than 10,000 BTU indoor units, you may purchase optional heat Part #K9FZ1818.
SINGLE-ZONE MINI-SPLIT SYSTEMS
Making the hottest places cool and the coolest places more comfortable

- Extensive lineup from 9,000 to 42,000 BTU
- 38 different systems available in 7 indoor unit styles
- Energy efficient systems with SEER ratings as high as 33.0 and HSPF as high as 14.2.
- 25 ENERGY STAR® qualified systems

Inverter Technology is used in all systems
- All systems feature environmentally friendly R410A refrigerant
- Quiet operation with indoor units as low as 21dB and outdoor units as low as 47dB
- Inverter Technology is used in all systems

ENERGY SAVING PROGRAM

These Halcyon systems know how to save your money even when you forget. If you leave the room without turning the unit off, ESP knows that you left and 20 minutes later, set temperature is increased by 4°F when cooling and reduced by 8°F when heating. When you come back to the room, it returns to previous operating mode. This prevents wasteful operation to save energy when you have thinking about it. This feature can be deactivated if chosen.

HIGH PERFORMANCE HEATING

The RLS3Y model can operate down to -5°F. The RLS3YH can operate down to -15°F. See the full story on page 14.

OPTIONAL ACCESSORIES
- Wired Remote Control: UTY-RNVUM
- Wired Remote Control: UTY-BNNUM
- Simple Remote Control: UTY-RSNUM
- Interface Kit: UTY-TWDFT1
- Dry Contact Wire Kit: UTY-XWZXZ5
- Interface Kit: UTY-TWBXF1
- Simple Remote Control: UTY-RSNUM
- Wired Remote Control: UTY-RVNUM
- Wired Remote Control: UTY-RNNUM

SYSTEMS 9RLS3Y, 12RLS3Y, 15RLS3Y

HIGH HEAT SYSTEMS 9RLS3YH, 12RLS3YH, 15RLS3YH

9, 12, 15, 20, 30, 60 BTUh WALL MOUNT HEAT PUMPS

BUILT-IN WI-FI
Remotely operate your heating and cooling system using a smartphone as a remote control. Details on page 12.

UP TO 33.0 SEER

- Nominal Cooling BTUh: 9,000, 12,000, 14,500
- Nominal Heating BTUh: 9,000, 12,000, 14,500
- SEER: 33.0, 29.3, 25.3
- HSPF: 33.0, 29.3, 25.3
- EER: 15.2, 14.0, 13.3
- Noise: 66 (20), 66 (20), 66 (20)
- Energy Efficiency: 93%

- Nominal Cooling BTUh: 30,000, 36,000, 42,000
- Nominal Heating BTUh: 30,000, 36,000, 42,000
- SEER: 33.0, 29.3, 25.3
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- Noise: 66 (20), 66 (20), 66 (20)
- Energy Efficiency: 93%
### Single-Zone Mini-Splits

**9 AND 12,000 BTUh Wall Mount Heat Pumps**

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

### Optional Accessories
- **Wired Remote Control:** UTY-RVNUM*
- **Wired Remote Control:** UTY-RNNUM*
- **Simple Remote Control:** UTY-RSNUM*
- **Dry Contact Wire Kit:** UTY-XWZXZ5
- **Interface Kit:** UTY-XCBXZ2
  - *Wall mounted ASU9, 12RLF1 require accessory interface kit #UTY-XCBXZ2 in order to connect these devices to them.

### Performance

<table>
<thead>
<tr>
<th></th>
<th>9RLFW1</th>
<th>12RLFQ1</th>
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</thead>
<tbody>
<tr>
<td><strong>Nominal Cooling</strong></td>
<td>BTUh</td>
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<tr>
<td><strong>Cooling BTUh</strong></td>
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<td>12,000</td>
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<tr>
<td>Min.-Max. Heating</td>
<td>BTUh</td>
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<tr>
<td><strong>Heating BTUh</strong></td>
<td></td>
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<tr>
<td><strong>SEER</strong></td>
<td></td>
<td>22.0</td>
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<tr>
<td><strong>HSPF</strong></td>
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<td>11.0</td>
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<tr>
<td><strong>EER</strong></td>
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<tr>
<td><strong>Cooling Operating Range</strong></td>
<td>°F</td>
<td>14-115 (-10-46)</td>
</tr>
<tr>
<td><strong>Heating Operating Range</strong></td>
<td>°F</td>
<td>5-75 (15-24)</td>
</tr>
<tr>
<td><strong>Moisture Removal</strong></td>
<td>Pl.s (m³/h)</td>
<td>2.75 (1.3)</td>
</tr>
<tr>
<td><strong>Fan</strong></td>
<td></td>
<td></td>
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<tr>
<td>Indoor Sound Level (dBA): Hi</td>
<td></td>
<td>43/43</td>
</tr>
<tr>
<td><strong>Low</strong></td>
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<td>32/33</td>
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<tr>
<td><strong>Quiet</strong></td>
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<td>21/22</td>
</tr>
<tr>
<td><strong>Outdoor Sound Level (dBA): Hi</strong></td>
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<td><strong>Electrical</strong></td>
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<td></td>
</tr>
<tr>
<td>Voltage/Frequency/Phase</td>
<td></td>
<td>208-230/60/1</td>
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<tr>
<td>Circuit Breaker Amps</td>
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<td>20</td>
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<tr>
<td>Current Rated/Max. Cooling Amps</td>
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<td>Current Rated Heating Amps</td>
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<tr>
<td>Power Use Rated/Max. Cooling kW</td>
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<td>Dimensions: Height</td>
<td>Inch</td>
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<td><strong>Width</strong></td>
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<td>33-1/16</td>
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<td><strong>Depth</strong></td>
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</tr>
<tr>
<td><strong>Weight</strong></td>
<td></td>
<td>60 (27)</td>
</tr>
<tr>
<td><strong>Height</strong></td>
<td>Inch</td>
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<td><strong>Width</strong></td>
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<td><strong>Weight</strong></td>
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<tr>
<td>Dimensions: Height</td>
<td>Inch</td>
<td>11-7/16</td>
</tr>
<tr>
<td><strong>Width</strong></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td><strong>Depth</strong></td>
<td>mm</td>
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<tr>
<td><strong>Weight</strong></td>
<td></td>
<td>60 (27)</td>
</tr>
<tr>
<td><strong>R410A</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Additional Data</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vertical Air Filter</td>
<td>Automatic</td>
<td>Automatic</td>
</tr>
<tr>
<td>Minimum Line Set Length</td>
<td>Ft (m)</td>
<td>10 (3)</td>
</tr>
<tr>
<td>Maximum Line Set Length</td>
<td>Ft (m)</td>
<td>66 (20.1)</td>
</tr>
<tr>
<td><strong>Max. Vertical Diff.</strong></td>
<td>Ft (m)</td>
<td>49 (15)</td>
</tr>
<tr>
<td><strong>Refrigerant</strong></td>
<td></td>
<td>R410A</td>
</tr>
</tbody>
</table>
| **Note:** Figures are based on 230 Volts.
OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RN1NUM
- Wired Remote Control: UTY-RN2NUM
- Simple Remote Control: UTY-RS0NUM
- Dry Contact Wire Kit: UTY-XWZX

SINGLE-ZONE MINISPLITS

OPTIONAL ACCESSORIES

- Dry Contact Wire Kit: UTY-XWZX
- Simple Remote Control: UTY-RS0NUM
- Wired Remote Control: UTY-RN1NUM
- Wired Remote Control: UTY-RN2NUM

HIGH PERFORMANCE HEATING CAPACITY

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

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

1 Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
2 RLXFW1 systems only.
3 RLXFW1 models only.
4 Available only with optional wired remote control.
5 Available only with optional Interface kit. Operation monitoring and On/Off control only.
6 RLXWFH models only.
7 Based on 70° indoor setpoint

**6 RLXWFH models only.**

**5** Available only with optional Interface kit. Operation monitoring and On/Off control only.

**4** Available only with optional wired remote control.

**3** RLXFW1 systems require optional wired remote control.

**2** RLXFW1 systems only.

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

HALCYON 18 AND 24,000 BTUH WALL MOUNT HEAT PUMPS

HFI SYSTEMS 18RLXFW1, 24RLXFW1

HIGH HEAT SYSTEMS 18RLXFWH, 24RLXFWH

UP TO 20 SEER

**RLXFW1**

Maximum Heating Capacity

<table>
<thead>
<tr>
<th>Outdoor Temperature (°F)</th>
<th>EER</th>
<th>HSPF</th>
<th>SEER</th>
<th>Min.-Max. Heating BTUh</th>
<th>Nominal Heating BTUh</th>
</tr>
</thead>
<tbody>
<tr>
<td>-5<del>75 (-20</del>24)</td>
<td></td>
<td></td>
<td></td>
<td>7,000~29,000</td>
<td>21,600</td>
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<tr>
<td>-15<del>75 (-26</del>24)</td>
<td></td>
<td></td>
<td></td>
<td>7,500~36,200</td>
<td>25,200</td>
</tr>
</tbody>
</table>

**RLXFWH**

<table>
<thead>
<tr>
<th>Outdoor Temperature (°F)</th>
<th>EER</th>
<th>HSPF</th>
<th>SEER</th>
<th>Min.-Max. Heating BTUh</th>
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<td></td>
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<td>25,200</td>
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</tbody>
</table>

**HFI SYSTEMS 18RLXFW1, 24RLXFW1**

**HIGH HEAT SYSTEMS 18RLXFWH, 24RLXFWH**

**RLXFW1**

Maximum Heating Capacity

<table>
<thead>
<tr>
<th>Outdoor Temperature (°F)</th>
<th>EER</th>
<th>HSPF</th>
<th>SEER</th>
<th>Min.-Max. Heating BTUh</th>
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<td></td>
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<td>25,200</td>
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</table>

**RLXFWH**

<table>
<thead>
<tr>
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<th>HSPF</th>
<th>SEER</th>
<th>Min.-Max. Heating BTUh</th>
<th>Nominal Heating BTUh</th>
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</thead>
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<td></td>
<td></td>
<td>7,500~36,200</td>
<td>25,200</td>
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</table>

**HFI SYSTEMS 18RLXFW1, 24RLXFW1**

**HIGH HEAT SYSTEMS 18RLXFWH, 24RLXFWH**

**RLXFW1**

Maximum Heating Capacity

<table>
<thead>
<tr>
<th>Outdoor Temperature (°F)</th>
<th>EER</th>
<th>HSPF</th>
<th>SEER</th>
<th>Min.-Max. Heating BTUh</th>
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</table>

**RLXFWH**

<table>
<thead>
<tr>
<th>Outdoor Temperature (°F)</th>
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<th>HSPF</th>
<th>SEER</th>
<th>Min.-Max. Heating BTUh</th>
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<td></td>
<td></td>
<td></td>
<td>7,500~36,200</td>
<td>25,200</td>
</tr>
</tbody>
</table>
EXTENDED LINESET

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

SERVER ROOM MODE

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

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

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

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

LOCK OUT FUNCTION

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

HIGH PERFORMANCE HEATING CAPACITY

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

ADDITIONAL APPLICATIONS THAT MAY REQUIRE LOW AMBIENT COOLING:

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

OPTIONAL ACCESSORIES

- Wired Touch Panel Remote Controller: UTY-RNRUZ1^  
- Wired Remote Control: UTY-RVNUM^  
- Wired Remote Control: UTY-RNNUM^  
- Dry Contact Wire Kit: UTY-XWXZ  
- Interface Kit: UTY-XCSXZ1  
- Interface Kit Box: UTZ-GXXB  
- Outdoor Unit Input/Output Connector: UTY-XWXZX3

UP TO 18.7 SEER

ADDITIONAL APPLICATIONS THAT MAY REQUIRE LOW AMBIENT COOLING:

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

OPTIONAL ACCESSORIES

- Wired Touch Panel Remote Controller: UTY-RNRUZ1^  
- Wired Remote Control: UTY-RVNUM^  
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- Dry Contact Wire Kit: UTY-XWXZ  
- Interface Kit: UTY-XCSXZ1  
- Interface Kit Box: UTZ-GXXB  
- Outdoor Unit Input/Output Connector: UTY-XWXZX3

FREEZE PROTECTION

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

Stylish, slim and elegant, these popular wall mounted units are designed for single rooms. Indoor units have a clean, aesthetic design and are small but mighty and shorter in length than competing units, helping them blend into any room.

**EASY MAINTENANCE**

Front panel is easily removed for cleaning.

**APPLICATIONS**

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

**SYSTEMS 9RL2, 12RL2**

<table>
<thead>
<tr>
<th>Performance</th>
<th>9RL2</th>
<th>12RL2</th>
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</thead>
<tbody>
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<td>Nominal Cooling BTUh</td>
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<tr>
<td>Min. Max. Cooling BTUh</td>
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<td>3,100-12,000</td>
</tr>
<tr>
<td>Nominal Heating BTUh</td>
<td>10,000</td>
<td>14,000</td>
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<tr>
<td>Min. Max. Heating BTUh</td>
<td>1,700-12,000</td>
<td>3,100-16,000</td>
</tr>
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<td>SEER</td>
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<td>HSPF</td>
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<td>9.0</td>
</tr>
<tr>
<td>EER</td>
<td>10.8</td>
<td>10.8</td>
</tr>
</tbody>
</table>

**Cooling Operating Range**

°F (°C) 15-115 (10-46)

°F (°C) 15-115 (10-46)

**Heating Operating Range**

°F (°C) 15-75 (10-24)

°F (°C) 15-75 (10-24)

**Moisture Removal**

Pt./h (l/h) 2.7 (1.3) 3.8 (1.8)

**Fan**

Air Circulation: Hi CFM (m³/h) 436 (740) 436 (740)

Medium CFM (m³/h) 353 (600) 353 (600)

Low CFM (m³/h) 285 (450) 285 (450)

Quiet CFM (m³/h) 191 (325) 191 (325)

Fan Speed Stage 4 + Auto 4 + Auto

**Sound**

Indoor Sound Level (EqV/hp): 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 kV 0.83 1.20

Power Use Rated: Heating kW 0.77 1.21

**Size & Weight**

Net Weight lbs. (kg) 16 (7) 64 (29) 16 (7) 69 (31)

Dimensions: Height Inch 10-5/16 21-1/4 10-5/16 21-1/4

mm 262 540 262 540

Width Inch 32-9/32 26 32-9/32 26

mm 820 660 820 660

Depth Inch 8-1/8 11-1/32 8-1/8 11-1/32

mm 206 290 206 290

Refrigerant R410A R410A

**Note:** Figures are based on 115 Volts.

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

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

**OPTIONAL ACCESSORIES**

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

**LOCK OUT FUNCTION**

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

**18, 24, 30, 36,000 BTUh WALL MOUNT HEAT PUMPS**

<table>
<thead>
<tr>
<th>18RLB</th>
<th>24RLB</th>
<th>30RLXB</th>
<th>36RLXB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling BTUh</td>
<td>18,000</td>
<td>24,000</td>
<td>30,000</td>
</tr>
<tr>
<td>Min. Max. Cooling BTUh</td>
<td>7,000~25,000</td>
<td>7,000~33,000</td>
<td>7,000~33,000</td>
</tr>
<tr>
<td>SEER</td>
<td>16.5</td>
<td>16.0</td>
<td>15.5</td>
</tr>
<tr>
<td>HSPF</td>
<td>10.5</td>
<td>9.5</td>
<td>9.5</td>
</tr>
<tr>
<td>Cooling Operating Range Y (X)</td>
<td>14<del>115 (°F) / -10</del>46 (°C)</td>
<td>14<del>115 (°F) / -10</del>46 (°C)</td>
<td>14<del>115 (°F) / -10</del>46 (°C)</td>
</tr>
<tr>
<td>Heating Operating Range Y (X)</td>
<td>5<del>75 (°F) / -15</del>24 (°C)</td>
<td>5<del>75 (°F) / -15</del>24 (°C)</td>
<td>5<del>75 (°F) / -15</del>24 (°C)</td>
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<tr>
<td>Moisture Removal PL/24 (h)</td>
<td>6.0</td>
<td>6.0</td>
<td>6.0</td>
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<tr>
<td>Fan Sound</td>
<td>Indoor Sound Level (Clg/Htg): Hi dB(A)</td>
<td>42/43</td>
<td>43/44</td>
</tr>
<tr>
<td>Medium dB(A)</td>
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<tr>
<td>Low dB(A)</td>
<td>31/32</td>
<td>32/33</td>
<td>32/33</td>
</tr>
<tr>
<td>Quiet dB(A)</td>
<td>26/27</td>
<td>27/28</td>
<td>27/28</td>
</tr>
<tr>
<td>Outdoor Sound Level Clg/Htg dB(A)</td>
<td>51/52</td>
<td>52/53</td>
<td>52/53</td>
</tr>
<tr>
<td>Electrical</td>
<td>Voltage/Frequency/Phase</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
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<tr>
<td>Circuit Breaker Amps</td>
<td>15</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Current Rated/Mac. Cooling Amps</td>
<td>4.4/4.9</td>
<td>6.3/7.1</td>
<td>8.7/10.4</td>
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<tr>
<td>Power Use Rated: Cooling kW</td>
<td>1.29/1.47</td>
<td>2.06/2.50</td>
<td>3.14/3.83</td>
</tr>
<tr>
<td>Power Use Rated: Heating kW</td>
<td>1.24/1.47</td>
<td>2.06/2.50</td>
<td>3.14/3.83</td>
</tr>
<tr>
<td>Size &amp; Weight</td>
<td>Net Weight lbs. (kg)</td>
<td>31 (14)</td>
<td>86 (39)</td>
</tr>
<tr>
<td>Dimensions: Height Inch</td>
<td>12-5/8</td>
<td>24-7/16</td>
<td>12-5/8</td>
</tr>
<tr>
<td>Width Inch</td>
<td>39-5/16</td>
<td>31-1/8</td>
<td>39-5/16</td>
</tr>
<tr>
<td>Depth Inch</td>
<td>9</td>
<td>13</td>
<td>9</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R410A</td>
<td>R410A</td>
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</tr>
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</table>

**18, 24, 30, 36,000 BTUh WALL MOUNT HEAT PUMPS**

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<td>7,000~33,000</td>
<td>7,000~33,000</td>
</tr>
<tr>
<td>SEER</td>
<td>16.5</td>
<td>16.0</td>
<td>15.5</td>
</tr>
<tr>
<td>HSPF</td>
<td>10.5</td>
<td>9.5</td>
<td>9.5</td>
</tr>
<tr>
<td>Cooling Operating Range Y (X)</td>
<td>14<del>115 (°F) / -10</del>46 (°C)</td>
<td>14<del>115 (°F) / -10</del>46 (°C)</td>
<td>14<del>115 (°F) / -10</del>46 (°C)</td>
</tr>
<tr>
<td>Heating Operating Range Y (X)</td>
<td>5<del>75 (°F) / -15</del>24 (°C)</td>
<td>5<del>75 (°F) / -15</del>24 (°C)</td>
<td>5<del>75 (°F) / -15</del>24 (°C)</td>
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<tr>
<td>Moisture Removal PL/24 (h)</td>
<td>6.0</td>
<td>6.0</td>
<td>6.0</td>
</tr>
<tr>
<td>Fan Sound</td>
<td>Indoor Sound Level (Clg/Htg): Hi dB(A)</td>
<td>42/43</td>
<td>43/44</td>
</tr>
<tr>
<td>Medium dB(A)</td>
<td>37/38</td>
<td>38/39</td>
<td>38/39</td>
</tr>
<tr>
<td>Low dB(A)</td>
<td>31/32</td>
<td>32/33</td>
<td>32/33</td>
</tr>
<tr>
<td>Quiet dB(A)</td>
<td>26/27</td>
<td>27/28</td>
<td>27/28</td>
</tr>
<tr>
<td>Outdoor Sound Level Clg/Htg dB(A)</td>
<td>51/52</td>
<td>52/53</td>
<td>52/53</td>
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<tr>
<td>Electrical</td>
<td>Voltage/Frequency/Phase</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
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<tr>
<td>Circuit Breaker Amps</td>
<td>15</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Current Rated/Mac. Cooling Amps</td>
<td>4.4/4.9</td>
<td>6.3/7.1</td>
<td>8.7/10.4</td>
</tr>
<tr>
<td>Power Use Rated: Cooling kW</td>
<td>1.29/1.47</td>
<td>2.06/2.50</td>
<td>3.14/3.83</td>
</tr>
<tr>
<td>Power Use Rated: Heating kW</td>
<td>1.24/1.47</td>
<td>2.06/2.50</td>
<td>3.14/3.83</td>
</tr>
<tr>
<td>Size &amp; Weight</td>
<td>Net Weight lbs. (kg)</td>
<td>31 (14)</td>
<td>86 (39)</td>
</tr>
<tr>
<td>Dimensions: Height Inch</td>
<td>12-5/8</td>
<td>24-7/16</td>
<td>12-5/8</td>
</tr>
<tr>
<td>Width Inch</td>
<td>39-5/16</td>
<td>31-1/8</td>
<td>39-5/16</td>
</tr>
<tr>
<td>Depth Inch</td>
<td>9</td>
<td>13</td>
<td>9</td>
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<tr>
<td>Refrigerant</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
</tr>
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</table>

**Additional Data**

- Air Direction: Horizontal Automatic
- Vertical Automatic
- Air Filter Washable
- Minimum Piping Length Ft (m) | 10 (3) | 10 (3) | 16 (5) | 16 (5) |
- Maximum Piping Length Ft (m) | 66 (20) | 66 (20) | 165 (50) | 165 (50) |
- Maximum Vertical Differential Ft (m) | 49 (15) | 49 (15) | 98 (30) | 98 (30) |

**System Options**

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

**Note:** Figures are based on 230 Volts.
9, 12, 15,000 BTUh FLOOR MOUNT HEAT PUMPS

**HFI SYSTEMS 9RLFF, 12RLFF, 15RLFF**

**HIGH HEAT SYSTEMS 9RLFFH, 12RLFFH, 15RLFFH**

**UP TO 26 SEER**

**Performance**

<table>
<thead>
<tr>
<th>Description</th>
<th>9RLFF</th>
<th>12RLFF</th>
<th>15RLFF</th>
<th>9RLFFH</th>
<th>12RLFFH</th>
<th>15RLFFH</th>
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<tr>
<td>Min. Cooling</td>
<td>BTUh</td>
<td>9,000</td>
<td>12,000</td>
<td>14,200</td>
<td>9,000</td>
<td>12,000</td>
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<td>Nom. Cooling</td>
<td>BTUh</td>
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<td>14,300</td>
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<td>BTUh</td>
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<td>18,000</td>
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<td>18,000</td>
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<td>BTUh</td>
<td>20,000</td>
<td>22,000</td>
<td>25,000</td>
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<td>22,000</td>
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<td>SEER</td>
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<td>26.0</td>
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<td>20.3</td>
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<td>HSPF</td>
<td>8.8</td>
<td>7.7</td>
<td>6.7</td>
<td>8.8</td>
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<td>6.7</td>
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<td>EER</td>
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<td>12.6</td>
<td>11.5</td>
<td>14.5</td>
<td>12.6</td>
<td>11.5</td>
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<td>Heating Operating Range</td>
<td>°F</td>
<td>-5<del>75 (-21</del>24)</td>
<td>-5<del>75 (-21</del>24)</td>
<td>-5<del>75 (-21</del>24)</td>
<td>-15<del>75 (-26</del>24)</td>
<td>-15<del>75 (-26</del>24)</td>
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<tr>
<td>Cooling Operating Range</td>
<td>°F</td>
<td>14<del>115 (-10</del>46)</td>
<td>14<del>115 (-10</del>46)</td>
<td>14<del>115 (-10</del>46)</td>
<td>14<del>115 (-10</del>46)</td>
<td>14<del>115 (-10</del>46)</td>
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<td>Moisture Removal</td>
<td>Pounds/Hr</td>
<td>2.75</td>
<td>3.8</td>
<td>4.44</td>
<td>2.75</td>
<td>3.8</td>
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<tr>
<td>Max Hg % of Model R</td>
<td>Capacity</td>
<td>14.9%</td>
<td>12.5%</td>
<td>11.8%</td>
<td>14.9%</td>
<td>12.5%</td>
</tr>
<tr>
<td>Max Hg % of Model R @ Capacity</td>
<td>14.9%</td>
<td>12.5%</td>
<td>11.8%</td>
<td>14.9%</td>
<td>12.5%</td>
<td>11.8%</td>
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**Dimensions**

<table>
<thead>
<tr>
<th>Description</th>
<th>9RLFF</th>
<th>12RLFF</th>
<th>15RLFF</th>
<th>9RLFFH</th>
<th>12RLFFH</th>
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<td>Indoor</td>
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<td></td>
<td></td>
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<td></td>
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<tr>
<td>Dimensions</td>
<td>Height (In)</td>
<td>23-5/8</td>
<td>24-7/16</td>
<td>23-5/8</td>
<td>24-7/16</td>
<td>23-5/8</td>
</tr>
<tr>
<td>Width (In)</td>
<td>29-1/8</td>
<td>31-1/8</td>
<td>29-1/8</td>
<td>31-1/8</td>
<td>29-1/8</td>
<td>31-1/8</td>
</tr>
<tr>
<td>Min. Vertical Vertical</td>
<td>Differential</td>
<td>49 (15)</td>
<td>49 (15)</td>
<td>49 (15)</td>
<td>49 (15)</td>
<td>49 (15)</td>
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<tr>
<td>Min. Vertical Vertical</td>
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<tr>
<td>Net Weight</td>
<td>Lbs</td>
<td>31</td>
<td>84</td>
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<td>84</td>
<td>31</td>
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<tr>
<td>Dimensions &amp; Weight</td>
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<td></td>
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<td>Power Use Rated: Heating</td>
<td>kW</td>
<td>.88</td>
<td>1.44</td>
<td>1.58</td>
<td>.88</td>
<td>1.44</td>
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<td>Current Rated: Heating</td>
<td>Amps</td>
<td>4.1</td>
<td>6.7</td>
<td>7.0</td>
<td>4.1</td>
<td>6.7</td>
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<tr>
<td>Current Rated: Cooling</td>
<td>Amps</td>
<td>2.9</td>
<td>4.2</td>
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<td>4.2</td>
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<td>Voltage/Frequency/Phase</td>
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<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
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**Additional Data**

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<th>9RLFF</th>
<th>12RLFF</th>
<th>15RLFF</th>
<th>9RLFFH</th>
<th>12RLFFH</th>
<th>15RLFFH</th>
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<tr>
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<td>R-410A</td>
<td>R-410A</td>
<td>R-410A</td>
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<tr>
<td>Refrigerant</td>
<td>(pre-charge: 49’)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**

Beneath standard window

Standard conceave portion

Wall

Half concealed*

*Field supplied insulation required

**OPTIONAL ACCESSORIES**

- Wired Remote Control: UTY-RVNUM
- Simple Remote Control: UTY-5NUNUM
- Dry Contact Wire Kit: UTY-XWZXZ5
- Wired Remote Control: UTY-RVNUM

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

**BASE PAN HEATER (RLFFH MODELS)**

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

**IDEAL RADIATOR REPLACEMENT**

For occupants who wish not to have feet warmed or cooled, floor mount can be easily under a standard window and can replace a radiator twice its size while producing more capacity.

**Honeywell Hybrid Plus Inverter**

1 Applies where 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.
9, 12, 18,000 BTUh COMPACT CASSETTE HEAT PUMPS

EASY INSTALLATION

Fits into a standard ceiling tile.*

*Dimensions of outer grille are 27-9/16" x 22-7/16" and may overlap adjacent tiles.

OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RNUM
- Wireless remote UTY-LNHU
- Fresh Air Kit UTZ-VXAA

Quiet Airflow

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

Design: Controlled by CFD analysis (fluidic simulations)

COMPACT CASSETTE GRILLE UTG-CCGF shown is sold separately

COMPACT CASSETTES

- Fits into a standard ceiling tile*
- EASY INSTALLATION
- Optional Fresh Air Kit
- Available only with optional wireless remote control.
- Available only with optional Interface kit. Operation monitoring and On/Off control only.

FUNCTION

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

QUIET OPERATION

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

Design: CFD analysis (fluidic simulations)

OPTIONAL ACCESSORIES

- Wired Remote Control: UTY-RNUM
- Wireless remote UTY-LNHU
- Fresh Air Kit UTZ-VXAA

FRESH AIR KIT UTZ-VXAA

Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 60 CFM at 0.2"W.C. for fan static pressure requirements. Will add 4" to the height of the indoor unit.

Available only with optional wireless remote control.

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

2-STAGE TURBO FAN

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

UP TO 24.0 SEER

END-TO-END EFFICIENCY

- Nominal Cooling: 9,000 to 18,000 BTU
- Min. Cooling: 9,000 to 18,000 BTU
- Min. Heating: 12,000 to 18,000 BTU
- SEER: 24.0
- HSPF: 7.7
- COP: 3.9
- Cooling Operating Range: 14~115°F (-10~46°C)
- Heating Operating Range: 9°F to 86°F (-13°F to 30°C)
- Minimum Heating BTU: 12,000 BTU
- Maximum Heating BTU: 21,000 BTU
- Recharge Pressure: R410A
- Dimensions: 22.5" x 22.5" x 9-11/16"
- Weight: 33 lbs (15 kg)

Performance

9RLFCC 12RLFCC 18RLFCC

Nominal Cooling BTU 9,000 12,000 18,000
Min. Cooling BTU 9,000 12,000 18,000
Min. Heating BTU 12,000 18,000 21,600
SEER 24.0 21.9 20.1
HSPF 7.7 7.7 7.7
COP 3.9 3.9 3.9
Cooling Operating Range °F 14~115 14~115 14~115
Heating Operating Range °F 9°F to 86°F 9°F to 86°F 9°F to 86°F
Minimum Heating BTU 12,000 18,000 21,600
Maximum Heating BTU 21,000 21,000 21,000
Recharge Pressure R410A
Dimensions: Height Inch 9-11/16 1-15/16 24-1/2
Width Inch 22-7/16 27-9/16 31-3/32
Depth Inch 570 700 790
Refrigerant R410A
Additional Data

- Air Direction: Vertical
- Air Filter: Washable
- Minimum Line Length Ft 10 (3)
- Maximum Line Length Ft 10 (3)
- Maximum Vertical Diff. Ft 49 (15)
- Indoor Fan Speed: Low, Medium, High
- Outdoor Fan Speed: Low, Medium, High
- Indoor Sound Level (Hi) dB(A) 33/34 37/37 40/44
- Outdoor Sound Level (Hi) dB(A) 48/49 54/55
- Current Rated: Cooling Amps 3.0 4.4 7.1
- Current Rated: Heating Amps 4.1 6.7 7.7
- Power Use Rated/Max: Heating kW 0.89/1.80 1.44/2.00 1.76/2.60
- Power Use Rated/Max: Cooling kW 0.62/1.40 0.94/1.45 1.61/2.15
- Voltage/Frequency/Phase 208-230/60/1 208-230/60/1 208-230/60/1
- Circuit Breaker Amps 15 15 20
- EER 14.5 12.8 11.2
- HSPF 13.0 12.2 11.5
- SEER 24.0 21.9 20.1
- Energy Efficiency Ratio 3.7 3.3 3.3
- Nominal Heating BTU 12,000 16,000 21,600
- Fire Protection kW 150 (680)
- Power Output kW 75 (325)
- Outdoor Sound Level (Hi) dB(A) 57/57 62/62 66/66
- Dimensions: Height Inch 9-11/16 1-15/16 24-1/2
- Dimensions: Width Inch 22-7/16 27-9/16 31-3/32
- Dimensions: Depth Inch 570 700 790

Note: Figures are based on 230 Volts.
### 9, 12, 18,000 BTU/h SLIM DUCT HEAT PUMPS

**FUNCTION**

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

**SLIM DUCT**

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

**OPTIONAL ACCESSORIES**

- Wired Remote Control: UTY-RVNUM
- Auto Louver Grille Kit UTD-GXSA-W (for ARU18)

**FIELD SUPPLIED FILTERS USED WITH SLIM DUCT UNITS**

Although Slim Duct units come with factory filters, when return ductwork is used field supplied filters are more practical to use. They can be installed at the right to determine filter sizes.

Note: Figures are based on 230 Volts.

### HFI SYSTEMS 9RLFCD, 12RLFCD, 18RLFCD

#### UP TO 21.5 SEER

<table>
<thead>
<tr>
<th>Model</th>
<th>9RLFCD</th>
<th>12RLFCD</th>
<th>18RLFCD</th>
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<tbody>
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<td><strong>Performance</strong></td>
<td><strong>HFI</strong></td>
<td><strong>HFI</strong></td>
<td><strong>HFI</strong></td>
</tr>
<tr>
<td>Nom. Cooling BTUh</td>
<td>9,000</td>
<td>12,000</td>
<td>18,000</td>
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<tr>
<td>Min.-Max. Heating BTUh</td>
<td>3,100~12,000</td>
<td>3,100~13,600</td>
<td>3,100~20,100</td>
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<tr>
<td>Nom. Heating BTUh</td>
<td>12,000</td>
<td>16,000</td>
<td>21,600</td>
</tr>
<tr>
<td>Min. Ax. Heating BTUh</td>
<td>3,100~18,000</td>
<td>3,100~19,400</td>
<td>3,100~25,600</td>
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<tr>
<td>SEER</td>
<td>27.5</td>
<td>20.0</td>
<td>19.7</td>
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<td>HSPF</td>
<td>13.0</td>
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<td>14.5</td>
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<tr>
<td>Cooling Operating Range °F (°C)</td>
<td>14<del>115 (10</del>46)</td>
<td>14<del>115 (10</del>46)</td>
<td>14<del>115 (10</del>46)</td>
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<tr>
<td>Heating Operating Range °F (°C)</td>
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<td>5<del>75 (2</del>24)</td>
<td>5<del>75 (2</del>24)</td>
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<tr>
<td><strong>Moisture Removal</strong></td>
<td><strong>Plh (lbh)</strong></td>
<td><strong>Plh (lbh)</strong></td>
<td><strong>Plh (lbh)</strong></td>
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<td>Maximum Combined Piping Length</td>
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<td>49'</td>
<td>49'</td>
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<td><strong>Sound</strong></td>
<td><strong>db(A)</strong></td>
<td><strong>db(A)</strong></td>
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<td>26/25</td>
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<td>Indoor High Frequency Level (6kHz)</td>
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<td>Outdoor Low Frequency Level (0.1Hz)</td>
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<td>Outdoor High Frequency Level (6kHz)</td>
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<td>Outdoor Ambient Temperature °F (°C)</td>
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<td>-5<del>95 (-21</del>35)</td>
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<tr>
<td>Power Use Rated/Max: Cooling kW</td>
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<td>0.94/1.45</td>
<td>1.50/2.15</td>
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<td>Power Use Rated/Max: Heating kW</td>
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<td>Maximum Lineset Length Ft (m)</td>
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<td>66 (20)</td>
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<tr>
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<td>mm</td>
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<tr>
<td>Indoor</td>
<td>900</td>
<td>850</td>
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<tr>
<td>Outdoor</td>
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<tr>
<td><strong>Dimensions: Width</strong></td>
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<td>Indoor</td>
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<td>Outdoor</td>
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<td>Outdoor</td>
<td>280</td>
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<tr>
<td><strong>Size &amp; Weight</strong></td>
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<tr>
<td>Net Weight lbs. (kg)</td>
<td>41 (19)</td>
<td>84 (38)</td>
<td>41 (19)</td>
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<td></td>
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<tr>
<td>Static Pressure in. W. C.</td>
<td>0~0.36</td>
<td>0~0.36</td>
<td>0~0.36</td>
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<td>Rated Cooling Amps</td>
<td>3.0</td>
<td>4.4</td>
<td>6.6</td>
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<td>6.0</td>
<td>7.3</td>
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<tr>
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<td>3,100~12,000</td>
<td>3,100~13,600</td>
<td>3,100~20,100</td>
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<td>16,000</td>
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<tr>
<td>Indoor Sound Level (Clg/Htg):</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Low dB(A)</td>
<td>26/25</td>
<td>26/25</td>
<td>26/25</td>
</tr>
<tr>
<td>Medium dB(A)</td>
<td>27/26</td>
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<td>27/26</td>
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<tr>
<td>High dB(A)</td>
<td>28/27</td>
<td>28/27</td>
<td>28/27</td>
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<tr>
<td><strong>Additional Accessories</strong></td>
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<tr>
<td>Wireless Remote and Receiver UTY-LRHUM</td>
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<tr>
<td>Wired Remote Control: UTY-RVNUM</td>
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<tr>
<td>Auto Louver Grille Kit UTD-GXSA-W (for ARU18/12)</td>
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<td></td>
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<tr>
<td>UTD-GXSB-W (for ARU18)</td>
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<tr>
<td><strong>Return Air-Intake Choices</strong></td>
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<td></td>
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<tr>
<td>Single-Zone Mini-Splits</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>FLEXIBLE INSTALLATION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unit can be placed horizontally or vertically. However, internal drain pump will not operate when the unit is mounted in a vertical configuration.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Performance

- **HFI**
- **HFI**
- **HFI**

#### FLEXIBLE INSTALLATION

- **Single-Zone Mini-Splits**
- Available with optional wireless remote control.

#### Optional Accessories

- Wired Remote Control: UTY-RVNUM
- Auto Louver Grille Kit UTD-GXSA-W (for ARU18/12)
- UTD-GXSB-W (for ARU18)

#### Field Supplied Filters Used with Slim Duct Units

Although Slim Duct units come with factory filters, when return ductwork is used field supplied filters are more practical to use. They can be installed at the right to determine filter sizes.

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

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

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

<table>
<thead>
<tr>
<th>Model</th>
<th>ARU9RLFCD</th>
<th>ARU12RLFCD</th>
<th>ARU18RLFCD</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>CFM</strong></td>
<td>353</td>
<td>383</td>
<td>547</td>
</tr>
<tr>
<td><strong>Typical Filter Size</strong></td>
<td>12.2 x 20</td>
<td>12.2 x 20</td>
<td>14 x 25</td>
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<tr>
<td><strong>Velocity, FPM</strong></td>
<td>212</td>
<td>220</td>
<td>268</td>
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<tr>
<td><strong>Unit External SP, in. W.C.</strong></td>
<td>0.36</td>
<td>0.36</td>
<td>0.36</td>
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<tr>
<td><strong>SP Loss, in. W.C.</strong></td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
</tr>
<tr>
<td><strong>Available Static Pressure</strong></td>
<td>0.05</td>
<td>0.05</td>
<td>0.04</td>
</tr>
<tr>
<td><strong>Typical Filter Size</strong></td>
<td>14 x 25</td>
<td>14 x 25</td>
<td>16 x 30</td>
</tr>
<tr>
<td><strong>Velocity, FPM</strong></td>
<td>212</td>
<td>212</td>
<td>212</td>
</tr>
<tr>
<td><strong>Unit External SP, in. W.C.</strong></td>
<td>0.32</td>
<td>0.32</td>
<td>0.32</td>
</tr>
<tr>
<td><strong>SP Loss, in. W.C.</strong></td>
<td>0.01</td>
<td>0.01</td>
<td>0.01</td>
</tr>
<tr>
<td><strong>Available Static Pressure</strong></td>
<td>0.24</td>
<td>0.24</td>
<td>0.24</td>
</tr>
<tr>
<td><strong>Typical Filter Size</strong></td>
<td>16 x 30</td>
<td>18 x 36</td>
<td>20 x 40</td>
</tr>
<tr>
<td><strong>Velocity, FPM</strong></td>
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<td>212</td>
<td>212</td>
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<tr>
<td><strong>Unit External SP, in. W.C.</strong></td>
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<td>0.29</td>
<td>0.29</td>
</tr>
<tr>
<td><strong>SP Loss, in. W.C.</strong></td>
<td>0.08</td>
<td>0.08</td>
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</tr>
<tr>
<td><strong>Available Static Pressure</strong></td>
<td>0.22</td>
<td>0.22</td>
<td>0.22</td>
</tr>
</tbody>
</table>

### Additional Data

- Static Pressure in. W. C. 0 ~ 0.36
- Air Filter Washable
- Minimum Line Length Ft (m) 10 (3)
- Maximum Line Length Ft (m) 66 (20)
- Max. Vertical Diff. Ft (m) 49 (15)
- Lineout Size in. 3/8 in. 3/8 in. 3/8 in.
SINGLE-ZONE MINI-SPLITS

OPTIONAL ACCESSORIES

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

FUNCTION

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

APPLICATIONS

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

Another popular application for this model is in hallways where wall space is limited. The 36RSLX is popular where fresh air intake and high capacity is required like a restaurant or bar. They are also often suspended from threaded rod and used in multiple to condition large warehouse spaces.

SYSTEMS 18RULX, 24RULX, 36RSLX

UP TO 16 SEER

18RULX 24RULX 36RSLX

Performance

Nominal Cooling BTUh 17,800 22,200 34,100
Min.-Max. Cooling BTUh 5,000~21,600 5,000~27,300 8,500~36,000
Nominal Heating BTUh 21,500 24,000 36,500
Min.-Max. Heating BTUh 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 8.1 8.1 8.1
Cooling Operating Range °F (°C) 7 (–5) 7 (–5) 7 (–5)
Heating Operating Range °F (°C) 14(5) 14(5) 14(5)
Moisture Removal lb/hr (l/hr) 5.3 (2.5) 7.4 (3.5) 7.4 (3.5)
Fan

Air Circulation: Hi CFM (m³/h) 459 (780) 518 (880) 1069 (1850)
Medium CFM (m³/h) 383 (650) 436 (740) 977 (1660)
Low CFM (m³/h) 324 (550) 371 (630) 842 (1430)

Quiet CFM (m³/h)

Indoor Sound Level (Clg/Htg): Hi dB(A) 43/43 (Clg/Htg) 47/47 (Clg/Htg) 48/48 (Clg/Htg)
Medium dB(A) 39/39 (Clg/Htg) 43/43 (Clg/Htg) 45/43 (Clg/Htg)
Low dB(A) 35/35 (Clg/Htg) 38/38 (Clg/Htg) 41/39 (Clg/Htg)

Outdoor Sound Level Clg/Htg dB(A) 51/53 53/55 54/55

Electrical

Voltage/Phase/Amps 208-230/60/20 208-230/60/20 208-230/60/20
Circuit Breaker Amps 20 20 30
Current Rated/Max: Cooling Amps 7.12/12.5 9.81/12.5 18.3/18.8
Current Rated/Max: Heating Amps 9.81/12.5 10.21/12.5 15.1/18.8
Power Use Rated/Max: Cooling kW 1.63/2.88 2.25/2.88 4.23/3.5
Power Use Rated/Max: Heating kW 2.25/2.88 2.35/2.88 3.50/4.35

Size & Weight

Net Weight lbs (kg) 62 (28) 141 (64) 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

mm 990 900 990 900 1660 900

Depth

mm 655 330 655 330 700 330

Refrigerant R410A R410A R410A

Additional Data

Air Direction: Horizontal Automatic Automatic Automatic
Vertical Automatic Automatic Automatic
Air Filter Washable Washable Washable
Front Grille Permament Permament Permament
Minimum Lineout Length Ft (m) 14 (4.3) 14 (4.3)
Maximum Lineout Length Ft (m) 165 (50) (pre-change: 49') 165 (50) (pre-change: 49') 165 (50) (pre-change: 49')
Max. Vertical Diff. Ft (m) 66 (20) 66 (20) 98 (30)

Note: Figures are based on 230 Volts.
**FUNCTION**

Up to 16-SEER, these models provide up to 30% increase in efficiency over 13-SEER models. These models offer the ability to send up to 38% of their capacity through two branch ducts to adjacent rooms. Slender fit feature now allows additional available heat when compared to conventional models. Fujitsu cassette cassettes are also used in new construction condominiums up to 7 stories away and far from indoor unit. The ceiling cassettes are also used in new construction condominiums and homes taking advantage of their branch duct capability to feed adjacent rooms. These heat pumps provide up to 30% additional available heat when compared to conventional models.

**SLENDER FIT**

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

Fujitsu provides knock outs on all ceiling cassettes where contractors can:
- Install optional field supplied branch ducts on up to two sides to supply up to 18% capacity per side to adjoining spaces up to 16 feet away. See Design and Technical Manual for details.
- Allows fresh air to be brought into the indoor unit using fresh air knockout.

**APPLICATIONS**

Four-way airflow, concealed flush mount design and the ability to operate in high ceiling rooms makes these systems ideal for commercial applications such as offices, conference rooms, restaurants, night clubs and bars in retrofit and new construction. Long maximum combined piping lengths of 165 to 230 feet with 60 to 98 feet of height, depending on model, allow the outdoor unit to be remotely located up to 7 stories away and far from indoor unit. The ceiling cassettes can be moved downward into the room 1-3/8" increasing application opportunities.

**UP TO 16.0 SEER**

<table>
<thead>
<tr>
<th>18RCLX</th>
<th>24RCLX</th>
<th>36RCLX</th>
<th>42RCLX</th>
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<tr>
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<tr>
<td>Nominal Cooling BTUh</td>
<td>17,800</td>
<td>22,200</td>
<td>34,100</td>
</tr>
<tr>
<td>Nom. Min. Cooling BTUh</td>
<td>5,000-27,100</td>
<td>5,000-27,100</td>
<td>8,500-38,000</td>
</tr>
<tr>
<td>Nominal Heating BTUh</td>
<td>21,000</td>
<td>24,200</td>
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<td>5,000-27,100</td>
<td>9,200-47,100</td>
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<td>8.5</td>
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<tr>
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<td>11.1</td>
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<td>8.7</td>
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<td>0–115 (–18–46)</td>
<td>0–115 (–18–46)</td>
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<tr>
<td>Heating Operating Range °F</td>
<td>14–75 (10–24)</td>
<td>14–75 (10–24)</td>
<td>14–75 (10–24)</td>
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<tr>
<td>Moisture Removal Pl/hr</td>
<td>5.3 (2.5)</td>
<td>6.4 (3.0)</td>
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<tr>
<td>Fan</td>
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<td></td>
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</tr>
<tr>
<td>Air Circulation: Hi CFM (m3/h)</td>
<td>559 (950)</td>
<td>638 (1,060)</td>
<td>942 (1,660)</td>
</tr>
<tr>
<td>Medium CFM (m3/h)</td>
<td>477 (810)</td>
<td>536 (910)</td>
<td>824 (1,400)</td>
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<tr>
<td>Low CFM (m3/h)</td>
<td>394 (690)</td>
<td>436 (740)</td>
<td>677 (1,150)</td>
</tr>
<tr>
<td>Fan Speed Stage</td>
<td>3 + Auto</td>
<td>3 + Auto</td>
<td>3 + Auto</td>
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<tr>
<td>Sound</td>
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<tr>
<td>Indoor Sound Level (Env/Free) dB(A)</td>
<td>42/40 (69/64)</td>
<td>45/43 (72/68)</td>
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<tr>
<td>Outdoor Sound Level (Env/Free) dB(A)</td>
<td>51/49 (82/75)</td>
<td>54/50 (84/76)</td>
<td>54/48 (84/76)</td>
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<td><strong>Technical</strong></td>
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<td></td>
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<td>Voltage/Frequency/Phase</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
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<tr>
<td>Circuit Breaker Amps</td>
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<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Current Rated/Max: Heating Amps</td>
<td>7.0/12.5</td>
<td>10.4/12.5</td>
<td>16.1/18.8</td>
</tr>
<tr>
<td>Current Rated/Max: Cooling Amps</td>
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<td>10.4/12.5</td>
<td>16.1/18.8</td>
</tr>
<tr>
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<td>2.10/2.88</td>
<td>4.22/4.35</td>
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<td>Power Use Rated/Max: Heating kW</td>
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<td>2.37/2.88</td>
<td>3.70/3.85</td>
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<td><strong>Size &amp; Weight</strong></td>
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<tr>
<td>Nominal Heating BTUh</td>
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<td>24,200</td>
<td>36,000</td>
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<tr>
<td>Min.–Max. Heating BTUh</td>
<td>5,000–27,100</td>
<td>5,000–27,100</td>
<td>8,500–38,000</td>
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<tr>
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<tr>
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<tr>
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<td>54/48 (84/76)</td>
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</tr>
<tr>
<td>Voltage/Frequency/Phase</td>
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<td>208-230/60/1</td>
<td>208-230/60/1</td>
</tr>
<tr>
<td>Circuit Breaker Amps</td>
<td>20</td>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>Current Rated/Max: Heating Amps</td>
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<td>10.4/12.5</td>
<td>16.1/18.8</td>
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<tr>
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<td>2.37/2.88</td>
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<tr>
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<td>34,100</td>
</tr>
<tr>
<td>Min.–Max. Cooling BTUh</td>
<td>5,000–27,100</td>
<td>5,000–27,100</td>
<td>8,500–38,000</td>
</tr>
</tbody>
</table>

**Note:** Figures are based on 230 Volts.
MULTI-ZONE MINI-SPLIT SYSTEMS

- Operate as few as one indoor unit or all indoor units
- Choose from 4 indoor unit styles - wall mount, slim duct, compact cassette, and floor mount
- Six combinations are ENERGY STAR® qualified
- Create hundreds of combinations based on indoor type and BTUh
- Connect 2 to 5 indoor units, depending on model
- Connect 16,000 to 54,000 BTUh
- No branch boxes or separation tubes required

18, 24, 36, 45,000 BTUh

- Connect 2 to 4 indoor units, depending on model
- Connect 16,000 to 39,000 BTU
- xXtra Low Temp Heating down to -15°F outdoor temps
- No branch boxes or separation tubes required

18, 24, 36, 45,000 BTUh

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

YEAR-ROUND, WHOLE HOME OR BUSINESS COMFORT

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

MULTI-ZONE AND XLTH SERIES SYSTEMS

18, 24, 36, AND 45,000 BTUh

- AOU18RLXFZ
- AOU24RLXFZ
- AOU36RLXFZ1
- AOU45RLXFZ

CONNECTABLE CAPACITY

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

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

FOR EXAMPLE

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

HFI SERIES SYSTEM

48,000 BTUh

- AOU48RLXFZ1

130% CONNECTABLE CAPACITY

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

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

FOR EXAMPLE

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

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

### WALL MOUNTED

<table>
<thead>
<tr>
<th>Indoor Units</th>
<th>99999</th>
<th>99999</th>
<th>99999</th>
<th>99999</th>
<th>99999</th>
<th>99999</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASU7, 9, 12RLF1</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>ASU15RLF1</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>ASU18RLF</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>ASU24RLF</td>
<td>✔️</td>
<td>✔️</td>
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<td>✔️</td>
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</table>

### FLOOR MOUNTED

<table>
<thead>
<tr>
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<th>99999</th>
<th>99999</th>
<th>99999</th>
<th>99999</th>
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<tbody>
<tr>
<td>AGU9, 12RLF</td>
<td>✔️</td>
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<td>✔️</td>
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<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>AGU15RLF</td>
<td>✔️</td>
<td>✔️</td>
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<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

### SLIM DUCTS

<table>
<thead>
<tr>
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<th>99999</th>
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<th>99999</th>
<th>99999</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARU7, 9, 12RLF</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>ARU18RLF</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>ARU24RLF</td>
<td>✔️</td>
<td>✔️</td>
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<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
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### COMPACT CASSETTES

<table>
<thead>
<tr>
<th>Indoor Units</th>
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<th>99999</th>
<th>99999</th>
<th>99999</th>
<th>99999</th>
<th>99999</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUU7, 9, 12RLF</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
<tr>
<td>AUU18RLF</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
<td>✔️</td>
</tr>
</tbody>
</table>

### OTHER

- SEPARATION TUBES: UTP-SX248A
- BRANCH BOXES: UTP-PU03A, B

### MULTI-ZONE OUTDOOR UNITS

![Multi-Zone Outdoor Units](image1)

### WALL MOUNTED

- They mount high on a wall, out of sight and do not require ductwork, increasing energy efficiency.
- Quiet operation
- Easy maintenance
- High delivered efficiency means lower utility bills

### SLIM DUCT

- Mounted in a ceiling or in a framed enclosure below a ceiling. They use minimal ductwork and remain very energy efficient.
- Concealed and out of sight
- Look of central air with the efficiency of a mini-split
- Less ducts = higher efficiency

### COMPACT CASSETTE

- Cassettes are extremely discreet, with only the grille showing in the ceiling. They use the latest fan technology to distribute the conditioned air evenly.
- Wired remote control (wireless is optional)
- Powerful turbo fan operation
- Fits into a standard 2’ x 2’ ceiling grid

### FLOOR MOUNTED

- Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom.
- Compact size fits easily under a standard window
- Features twin airflow for improved heat delivery
- Designer wireless remote control
**Auto Changeover** is not designed to provide rapid changes between heating and cooling modes. It applies when properly registered and installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

- **Applicable for**: approximately 3 years if it is washed with water generated by the ultra-fine-particle ceramic. The filter can help remove and control dust, mold spores, and micro-organisms to ensure the filter surface action.

**Applicable for**
- RLF1 models only.
- 4 RLF1 models only.
- 3 RLF models only.
- RLF1 models: Available only with optional wired remote control.
- RLF1 models only.
- 5 RLF1 models: Available only with optional wired remote control and optional interface kit.
- Available only with optional wired remote control and optional interface kit.
- Available only when used with Flex Zone AOU48RLXFZ1 outdoor unit.
- Available only when used with Flex Zone AOU48RLXFZ1 outdoor unit.
- Available only when used with Flex Zone AOU48RLXFZ1 outdoor unit.
- Minimum Heat
- Sensor
- Auto
- 3rd Party
- I/O
- Adjust
- 7
- 4-Way
- Daisy
- 16
- Economy
- Cold
- 3
- Part
- 16

**Installation Guide**

1. Applies when properly registered and installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
2. Auto Changeover is not designed to provide rapid changes between heating and cooling modes. 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.

**Dimensions**

- **Height (Inch)**: 10-1/2
- **Width (Inch)**: 33-1/16
- **Depth (Inch)**: 8

**Power Use Rated**

- **Heating (W)**: 15
- **Cooling (W)**: 15

**Current Rated**

- **Heating (Amps)**: 0.13
- **Cooling (Amps)**: 0.13

**Voltage/Frequency/Phase**

- **208-230/60/1**

**Electrical**

- **Fan Speed Stage**
  - 4-auto
  - 4-auto
  - 4-auto

**Indoor Sound Level**

- **Hi (Decibels)**: 36
- **Low (Decibels)**: 29

**Refrigerant**

- **R410A**

**Additional Data**

- **Apple-Catechin Filter**
  - Disposable
  - Disposable

- **Ion Deodorizing Filter**
  - Disposable
  - Disposable

- **ECONOMY WALL MOUNT**
  - ASU7RLF1, ASU9RLF1, ASU12RLF1, ASU15RLF1, ASU18RLF, ASU24RLF

---

**Multizone Indoor**

**ASU7, 9, 12, 15, 18, 24,000 BTUh WALL MOUNT**

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

<table>
<thead>
<tr>
<th>Model</th>
<th>ASU7RLF1</th>
<th>ASU9RLF1</th>
<th>ASU12RLF1</th>
<th>ASU15RLF1</th>
<th>ASU18RLF</th>
<th>ASU24RLF</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Performance</strong></td>
<td><strong>HFI</strong></td>
<td><strong>HFI</strong></td>
<td><strong>HFI</strong></td>
<td><strong>HFI</strong></td>
<td><strong>HFI</strong></td>
<td><strong>HFI</strong></td>
</tr>
<tr>
<td><strong>Nominal Cooling</strong></td>
<td>BTUh</td>
<td>7,000</td>
<td>9,000</td>
<td>12,000</td>
<td>14,000</td>
<td>18,000</td>
</tr>
<tr>
<td><strong>Nominal Heating</strong></td>
<td>BTUh</td>
<td>8,100</td>
<td>10,200</td>
<td>13,500</td>
<td>16,300</td>
<td>20,000</td>
</tr>
</tbody>
</table>

- **Fan Air Circulation**
  - Hi CFM
  - Low CFM
  - Medium CFM

- **Fan Speed Stage**
  - 4+auto
  - 4+auto
  - 4+auto

**Additional Data**

- **Primary Air Filter**
  - Washable

- **Apple-Catechin Filter**
  - Disposable
  - Disposable

---

**Tables for Additional Information**

<table>
<thead>
<tr>
<th>ASU7RLF1</th>
<th>ASU9RLF1</th>
<th>ASU12RLF1</th>
<th>ASU15RLF1</th>
<th>ASU18RLF</th>
<th>ASU24RLF</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fan Speed Stage</strong></td>
<td><strong>4-auto</strong></td>
<td><strong>4-auto</strong></td>
<td><strong>4-auto</strong></td>
<td><strong>4-auto</strong></td>
<td><strong>4-auto</strong></td>
</tr>
<tr>
<td><strong>Sound</strong></td>
<td><strong>dB(A)</strong></td>
<td><strong>dB(A)</strong></td>
<td><strong>dB(A)</strong></td>
<td><strong>dB(A)</strong></td>
<td><strong>dB(A)</strong></td>
</tr>
<tr>
<td><strong>Hi</strong></td>
<td>36/37</td>
<td>36/37</td>
<td>36/37</td>
<td>36/37</td>
<td>36/37</td>
</tr>
<tr>
<td><strong>Low</strong></td>
<td>29/30</td>
<td>29/30</td>
<td>30/31</td>
<td>30/31</td>
<td>31/32</td>
</tr>
</tbody>
</table>

---

**BUILT IN FILTRATION**

**LONG-LIFE ION DEODORIZATION FILTER**

The filter deodorizes by powerful decomposition of absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic. The filter can be used for approximately 5 years if it is washed with water, when dirty, to restore its surface action.

**APPLE-CATECHIN FILTER**

Dust, mold spores, and micro-organisms are collected onto the filter by static electricity and growth is inhibited and deactivated.
7, 9, 12, 18, 24,000 BTUh SLIM DUCT

MULTI-ZONE INDOOR

**SLIM DUCT**

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

**FLEXIBLE INSTALLATION**

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

**SLIM DUCT**

<table>
<thead>
<tr>
<th>Traditional</th>
<th>Compact Duct</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drain Pump</td>
<td>9.8&quot;</td>
</tr>
<tr>
<td>1&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**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.

**MULTI-ZONE MINI-SPLITS**

**HFI ARU7RLF, ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF**

**Performance**

<table>
<thead>
<tr>
<th>HFI</th>
<th>HFI</th>
<th>HFI</th>
<th>HFI</th>
<th>HFI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling BTUh</td>
<td>7,000</td>
<td>9,000</td>
<td>12,000</td>
<td>18,000</td>
</tr>
<tr>
<td>Nominal Heating BTUh</td>
<td>7,100</td>
<td>10,200</td>
<td>13,500</td>
<td>20,000</td>
</tr>
</tbody>
</table>

**Fan**

Air Circulation: Hi CFM (m³/h) | 323 (550) | 353 (600) | 383 (600) | 554 (940) | 783 (1,330) |

**Sound**

Indoor Sound Level (GSpft): Hi dB(A) | 28/28 | 28/28 | 29/29 | 32/33 | 33/35 |

**Cirulation (CFM)**

Typical Filter Size | 12 x 20 | 12 x 20 | 14 x 25 | 18 x 30 |

<table>
<thead>
<tr>
<th>HFI</th>
<th>HFI</th>
<th>HFI</th>
<th>HFI</th>
<th>HFI</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2&quot; Fiberglass Filter</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP Loss, in W.C.</td>
<td>0.04</td>
<td>0.04</td>
<td>0.06</td>
<td>0.04</td>
</tr>
<tr>
<td>Available Static Pressure</td>
<td>0.12</td>
<td>0.12</td>
<td>0.14</td>
<td>0.12</td>
</tr>
<tr>
<td>2&quot; MERV 8 Pleated Filter</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SP Loss, in W.C.</td>
<td>0.06</td>
<td>0.07</td>
<td>0.08</td>
<td>0.07</td>
</tr>
<tr>
<td>Available Static Pressure</td>
<td>0.26</td>
<td>0.28</td>
<td>0.26</td>
<td>0.13</td>
</tr>
</tbody>
</table>

1. Applies when properly registered AND installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.
2. Available only with optional wireless remote control.
3. Auto Changeover is not designed to provide rapid changes between heating and cooling operation or simultaneous heating and cooling. This feature is not recommended for systems with more than one indoor unit unless all indoor units have similar heating and cooling requirements and have similar temperature set points. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.
4. Available only with optional interface kit.
5. Available only when used with Flex Zone AOU48RLXFZ1 outdoor unit.

**Designated**

All units are designed for small designations or in places where cannot be designed.
EASY INSTALLATION
Fits into a standard ceiling tile. Dimensions of eau grille are 27-9/16” x 27-9/16” and may overlap adjacent tiles.

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

Heat exchange efficiency: Increased 20%
MULTI-ZONE MINI-SPLITS

9, 12, 15,000 BTUh FLOOR MOUNT
MULTI-ZONE INDOOR

Halcyon
HFI

2-FAN AND WIDE AIRFLOW

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

FLEXIBLE AND EASY INSTALLATION

- Beneath standard window
- Standard concave portion
- Half concealed*

Beneath window

Wall

Half concealed*

Cooling
 Heating

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

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

Agv9RLF, AGU12RLF, AGU15RLF

Performance

<table>
<thead>
<tr>
<th></th>
<th>AGU9RLF</th>
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<tbody>
<tr>
<td>Nominal Cooling BTUh</td>
<td>9,000</td>
<td>12,000</td>
<td>15,000</td>
</tr>
<tr>
<td>Nominal Heating BTUh</td>
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Fan

<table>
<thead>
<tr>
<th></th>
<th>HFI</th>
<th>HFI</th>
<th>HFI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Circulation: Hi (CFM)</td>
<td>312 (530)</td>
<td>353 (600)</td>
<td>383 (650)</td>
</tr>
<tr>
<td>Air Circulation: Medium (CFM)</td>
<td>259 (440)</td>
<td>288 (490)</td>
<td>306 (530)</td>
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<tr>
<td>Air Circulation: Low (CFM)</td>
<td>212 (340)</td>
<td>224 (380)</td>
<td>235 (400)</td>
</tr>
<tr>
<td>Air Circulation: Quiet (CFM)</td>
<td>159 (270)</td>
<td>159 (270)</td>
<td>159 (270)</td>
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</tbody>
</table>

Fan Speed Stage

1. Auto
2. 4+Auto

Electrical

<table>
<thead>
<tr>
<th></th>
<th>HFI</th>
<th>HFI</th>
<th>HFI</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage/Frequency/Phase 208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td></td>
</tr>
<tr>
<td>Current Rated: Cooling Amps</td>
<td>0.15</td>
<td>0.18</td>
<td>0.20</td>
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<tr>
<td>Current Rated: Heating Amps</td>
<td>0.15</td>
<td>0.18</td>
<td>0.20</td>
</tr>
<tr>
<td>Power Use Rated: Cooling (kw)</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Power Use Rated: Heating (kw)</td>
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Size & Weight

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<th>AGU15RLF</th>
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<tbody>
<tr>
<td>Net Weight lbs.</td>
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<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Width mm</td>
<td>740</td>
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</tr>
<tr>
<td>Depth mm</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Refrigerant</td>
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<td>R410A</td>
<td>R410A</td>
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Additional Data

<table>
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<th>AGU9RLF</th>
<th>AGU12RLF</th>
<th>AGU15RLF</th>
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</thead>
<tbody>
<tr>
<td>Air Direction: Vertical Auto</td>
<td>Auto</td>
<td>Auto</td>
<td></td>
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<tr>
<td>Apple Catechin Filter Washable</td>
<td>Washable</td>
<td>Washable</td>
<td></td>
</tr>
<tr>
<td>Ion Deodorizing Filter Yes</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Connection Method Yes</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>Line Set Size inch</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
<td>3/8&quot;</td>
</tr>
<tr>
<td>Lineset Size: Suc. 3/8</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>Duct: 3/4&quot;</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
</tbody>
</table>
DC TWIN ROTARY COMPRESSOR

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

COMPACT SIZE

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

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

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

Performance

- Connectable Indoor Units: 4
- Connectable Unit Capacity Class: BTUh
- Rated Capacity Cooling / Heating: 18,000
- Cooling Operating Range: 14-115
- Heating Operating Range: 14-115

Electrical

- Rated Input Power kVA / HP: 1.44 / 1.87
- V/F/P: 208-230V/60/1
- Maximum Total Current: 10.0
- Maximum Circuit Breaker Amps: 12.1
- Maximum Unit Breaker Amps: 15
- Rated Input Power Clg / Htg: 1.44 / 1.87
- Voltage Frequency Phase: 208-230V/60/1
- Rated Capacity Cooling: 18,000
- Rated Capacity Heating: 22,000

Cooling Operating Range: 14-115

Heating Operating Range: 14-115

NOMINAL CAPACITIES, SEER AND HSPF RATINGS

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Indoor Unit</th>
<th>Cooling Capacity Btu/h</th>
<th>SEER</th>
<th>EER</th>
<th>Heating Rated Capacity Btu/h</th>
<th>Heating Maximum Capacity Btu/h</th>
<th>COP</th>
<th>HSPF</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOU18RLXFZ</td>
<td>9+9</td>
<td>18,000</td>
<td>12.5</td>
<td>18.0</td>
<td>22,000</td>
<td>13,900</td>
<td>16.30</td>
<td>13,900</td>
</tr>
<tr>
<td>AOU24RLXFZ</td>
<td>9+9</td>
<td>22,000</td>
<td>12.5</td>
<td>18.0</td>
<td>22,000</td>
<td>13,900</td>
<td>16.30</td>
<td>13,900</td>
</tr>
<tr>
<td>AOU36RLXFZ1</td>
<td>9+9+9</td>
<td>35,200</td>
<td>9.0</td>
<td>16.0</td>
<td>22,000</td>
<td>13,900</td>
<td>16.30</td>
<td>13,900</td>
</tr>
<tr>
<td>AOU45RLXFZ</td>
<td>9+9+9+9</td>
<td>45,000</td>
<td>9.0</td>
<td>16.0</td>
<td>22,000</td>
<td>13,900</td>
<td>16.30</td>
<td>13,900</td>
</tr>
</tbody>
</table>

- Nominal Capacities
- SEER (Seasonal Energy Efficiency Ratio)
- EER (Energy Efficiency Ratio)
- Heating Rated Capacity
- Heating Maximum Capacity
- COP (Coefficient of Performance)
- HSPF (Heating Seasonal Performance Factor)

FEATURES

- MULTI-ZONE MINI-SPLITS
- AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ1, AOU45RLXFZ

Size & Weight

- Net Weight: lbs (kg) 139 (63) 149 (67) 205 (93)
- Dimensions: Height mm 790 830 998
- Width mm 35:176 38:316
- Depth mm 900 900 970

Refrigerant

- R410A

HFI AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ1, AOU45RLXFZ

Applications when properly registered and installed by a Fujitsu Elite Contractor in a residence. See full warranty for details.

<table>
<thead>
<tr>
<th>Model</th>
<th>Indoor Unit</th>
<th>Cooling Capacity Btu/h</th>
<th>SEER</th>
<th>EER</th>
<th>Heating Rated Capacity Btu/h</th>
<th>Heating Maximum Capacity Btu/h</th>
<th>COP</th>
<th>HSPF</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOU18RLXFZ</td>
<td>9+9</td>
<td>18,000</td>
<td>12.5</td>
<td>18.0</td>
<td>22,000</td>
<td>13,900</td>
<td>16.30</td>
<td>13,900</td>
</tr>
<tr>
<td>AOU24RLXFZ</td>
<td>9+9</td>
<td>22,000</td>
<td>12.5</td>
<td>18.0</td>
<td>22,000</td>
<td>13,900</td>
<td>16.30</td>
<td>13,900</td>
</tr>
<tr>
<td>AOU36RLXFZ1</td>
<td>9+9+9</td>
<td>35,200</td>
<td>9.0</td>
<td>16.0</td>
<td>22,000</td>
<td>13,900</td>
<td>16.30</td>
<td>13,900</td>
</tr>
<tr>
<td>AOU45RLXFZ</td>
<td>9+9+9+9</td>
<td>45,000</td>
<td>9.0</td>
<td>16.0</td>
<td>22,000</td>
<td>13,900</td>
<td>16.30</td>
<td>13,900</td>
</tr>
</tbody>
</table>

- Nominal Capacities
- SEER (Seasonal Energy Efficiency Ratio)
- EER (Energy Efficiency Ratio)
- Heating Rated Capacity
- Heating Maximum Capacity
- COP (Coefficient of Performance)
- HSPF (Heating Seasonal Performance Factor)

Since table for allowed combinations within this connectable capacity range.

Connectable Indoor Units: 2 to 4
Connectable Unit Capacity Class: BTUh
Rated Capacity Cooling / Heating: 22,000
Cooling Operating Range: 14-115
Heating Operating Range: 14-115

+Notes:
- Electrical requirements are based on AHRI 210/240 non-ducted wall mounted models.
- Installation opportunities.
- Clearances:
  - 24” minimum clearance required
- Refrigerant:
  - R410A

*18+18 is the only 2 indoor unit (ASU, ARU or AUU) combination and requires K9FZ1818.

1See table for allowed combinations within this connectable capacity range.
MULTI-ZONE MINI-SPLITs

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

AMBIENT HEATING TEMPERATURE OF -15°F

Other models may go as low as -5°F, however they do not include a base heater and other advancements found in XLTH models. See the full story on page 14.

The base of Fujitsu’s XLTH outdoor condensing units.

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

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

IMPROVED HEATING CAPACITY

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

HIGH-HEAT AOU18RLXFZH, AOU24RLXFZH, AOU36RLXFZH

NOMINAL CAPACITIES, SEER AND HSPF RATINGS

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

### Table

<table>
<thead>
<tr>
<th>Model</th>
<th>Indoor Unit</th>
<th>Cooling Capacity Br/Unit</th>
<th>EER</th>
<th>SEER</th>
<th>Heating Rated Capacity Br/Unit</th>
<th>Heating Maximum Capacity Br/Unit</th>
<th>COP</th>
<th>HSPF</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Cool/Heat</td>
<td></td>
<td></td>
<td>Cool/Heat</td>
<td>Cool/Heat</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AOU18RLXFZH</td>
<td></td>
<td>18,000</td>
<td>13.5</td>
<td>5.8</td>
<td>22,000</td>
<td>23,600</td>
<td>3.79</td>
<td>10.3</td>
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<tr>
<td>AOU24RLXFZH</td>
<td></td>
<td>14,000</td>
<td>13.0</td>
<td>5.5</td>
<td>18,000</td>
<td>20,000</td>
<td>3.79</td>
<td>9.9</td>
</tr>
<tr>
<td>AOU36RLXFZH</td>
<td></td>
<td>9,000</td>
<td>12.2</td>
<td>5.3</td>
<td>12,000</td>
<td>14,000</td>
<td>3.79</td>
<td>9.3</td>
</tr>
</tbody>
</table>

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

U.S. DEPARTMENT OF ENERGY

ENERGY STAR IS A PROGRAM TO HELP US ENERGY USE EFFICIENCY.
A Hybrid system is the blending of a complex VRF system with the simplicity of a multi-zone system to create a hybrid solution that shares the best of both systems. Flex provides the ability to create the right combinations, the right quantity (up to 8-zones), the right style indoor units, and the right capacity. It’s the right choice for your home or business.

An Inverter is a system that controls the rotational speed (not just an ON/OFF signal) of an electric motor by adjusting the frequency and voltage of the electrical power supplied to the motor. The inverter constantly regulates the compressor speed to its optimum energy usage, producing higher refrigerant performance with less power consumption. This system provides individual temperature control throughout your home or business so each room, zone or floor will be the temperature you set! An optional Central Remote Controller is available which can control up to all 8 indoor units from one keypad.

COMPACT SIZE

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

DC TWIN ROTARY COMPRESSOR

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

PIPING FLEXIBILITY

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

SELF DIAGNOSTIC FEATURE

This printed circuit board provides three modes of diagnostics - setting, monitoring and function mode, as well as error codes. It also provides a pre-commissioning check function. Setting mode allows optional functions to be selected. Monitoring mode provides temperature for each thermistor, compressor operation and other functions. Function mode provides cooling test run, heating test run and pump down operation.

48,000 BTUh FLEX-ZONE OUTDOOR UNIT

<table>
<thead>
<tr>
<th>SEER</th>
<th>HSPF</th>
<th>EER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ducted</td>
<td>14.7</td>
<td>9.1</td>
</tr>
<tr>
<td>Non-Ducted</td>
<td>17.0</td>
<td>9.8</td>
</tr>
<tr>
<td>Mixed</td>
<td>15.8</td>
<td>9.5</td>
</tr>
</tbody>
</table>
**BRANCH BOXES**

**UTP-PU03A, UTP-PU03B**

- **Connectable Indoor Unit**
  - Max. Combination Indoor: 3
  - Min. Combination Indoor: 1

- **Operating Ranges**
  - Low Temp. Operating Range °F (-32°C to -15°C)
  - High Temp. Operating Range °F (95°F to 109°F)

- **Voltage/Frequency/Phase**
  - 208-230/60/1

- **Running Current Rated (A)**
  - Cooling: 0.050

- **Maximum Current Ampacity (A)**
  - 15

- **Heating 0.050**

- **Clg. Operating Range °F (°C)**
  - 25-115 (-5-46)

- **Piping**
  - Gas pipe 3/8", 1/2", or 5/8"
  - Liquid pipe 3/8"

- **Connection Method**
  - Flare Flare

- **Total Pipe Length**
  - 377' max.

- **Factory Charge**
  - 7.6 lb (3.45 kg)

- **Unit pre-charged to 0 feet**

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

**ALLOWED BRANCH BOX MOUNTING DIRECTION**

- Threaded Rod Mount
  - By reversing the electrical box position you can orient the inlet and outlet pipes into a left hand or right hand configuration.
- Horizontal Wall Mount
  - By reversing the electrical box position you can orient the inlet and outlet pipes into a left hand or right hand configuration.
- Vertical Wall Mount
  - You cannot reverse the electrical box position when mounting the branch box vertically.

**BRANCH BOX OUTDOOR ENCLOSURE**

**UTP-PX-A**

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

**Allowed Mounting Positions**

- **Dimensions (in. (mm))**
  - Net (HxWxD): 8-11/16 x 32 x 17-7/8 (220 x 813 x 454)
  - Gross (HxWxD): 3-15/16 x 33-11/16 x 20-5/16 (100 x 838 x 515)

- **Weight lbs. (kg)**
  - Net Branch Box Cover only: 22 (10)
  - Net Branch Box + Cover: 44.1 (20)
  - Gross: 30.9 (14)

**SEPARATION TUBE ASSEMBLY KIT**

**UTP-SX248A**

- **Size**
  - Liquid inch: 3/8 x 3/8 x 3/8
  - Suction inch: 5/8 x 5/8 x 5/8

**PIPING**

**Branch Box to Indoor Unit**

- Liquid pipe 3/8" inch
- Gas pipe 1/2" inch
- Gas pipe 3/8", 1/2", or 5/8" branch to outdoor unit size

**Piping length**

- 16' min.
- 17' min.
- 49' max.

**Total Pipe Length 377’ max.**

* Distance between outdoor unit & farthest indoor unit.
** Total liquid pipe or total gas pipe.
Cool or heat one room, a few rooms or an entire home.
ALLOWABLE COMBINATIONS

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

**ALLOWABLE COMBINATIONS**

<table>
<thead>
<tr>
<th>BTU/h Capacity</th>
<th>7,000</th>
<th>9,000</th>
<th>12,000</th>
<th>15,000</th>
<th>18,000</th>
<th>25,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 INDOOR UNIT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 INDOOR UNITS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 INDOOR UNITS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 INDOOR UNITS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 INDOOR UNITS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ALLOWABLE COMBINATIONS CONT'D.**

**CHOOSE AN OUTDOOR UNIT:**
- ASU18RLF1
- ASU15RLF1
- ASU9RLF1
- ASU7RLF1

**CHOOSE THE INDOOR UNIT THAT BEST FITS THE APPLICATION:**
- AOU18RLXFZ / AOU18RLXFZH
- AOU24RLXFZ / AOU24RLXFZH
- AOU36RLXFZ / AOU36RLXFZH
- AOU45RLXFZ / AOU45RLXFZH

**Actual cooling capacity of ASU18RLF1 is 16,000 BTU/h.**

*Optioned for "WINDOW STYLE MINI-SPLIT" air handler only.** Wall mounted type AGU15RLF cannot be connected in this combination."*
### ALLOWABLE COMBINATIONS CONT'D

<table>
<thead>
<tr>
<th>BTU Capacity</th>
<th>7,000</th>
<th>9,000</th>
<th>12,000</th>
<th>15,000</th>
<th>18,000</th>
<th>24,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group 2</td>
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<td></td>
</tr>
<tr>
<td>Group 3</td>
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<td></td>
</tr>
<tr>
<td>Group 4</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>Group 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Group 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Allowed ‘Connectable Capacity’ combinations between 100 and 130%.

### CONTROLS

**Wired Remote Control**

- **UTY-RNNU** 3-Wire
- **UTY-RNNP** 3-Wire
  - The wired remote control with its unique lock function and sleek design provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

**Group Remote Control**

- **UTY-RNNU** 3-Wire
- **UTY-RNNP** 3-Wire
  - Features a large backlit LCD display and displays the room temperature. Provides full feature access to property managers, building owners, and facility maintenance, as well as providing basic comfort features to tenants, employees, and teachers.

**Remote Sensor**

- **UTY-XS2K**
  - Wall mounted room temperature sensor for slim duct models. Replaces room temperature sensor in the return when installed while still allowing for temperature correction.

**Simple Remote Control**

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

**Wireless Remote Control**

- **UTY-LH0W**
  - For spaces where there is just no place to mount the wired remote or where wireless operation is preferred.

**Central Controller**

- **UTY-GNMM** 3-Wire
  - This remote controls up to 8 individual indoor units. Set temperatures on times to best meet individuals needs. Includes a large backlit LCD and 4-way navigation pad. Remote connects in daisy chain to branch boxes.

**Receiver Unit**

- **UTY-LH0W** 3-Wire
  - For slim duct models. Includes a wireless remote control.

### Wi-Fi Devices

**IR Wireless Module**

- **Model: UTY-WIF-1NA**
  - Works with IntesisHome® app

**Wired Module**

- **Model: UTY-WIF-1NA**
  - Works with FGLair® app

**Network Converter**

- **UTY-TRNS**
  - The Network Converter is used to control and monitor one or more single zone Halycon indoor units for up to 16 indoor units per converter through Airstage VRF Central Controllers.

**Thermostat Converter**

- **UTY-TRSS**
  - Control Halycon products3 using a third party thermostat.
  - Up to 16 indoor units can be connected as a group to one thermostat converter.

### ADDITIONAL CONTROLS

**Wi-Fi Module**

- **Model: UTY-WIHZ2**
  - Works with FGLair® app

**SAMPLE Wi-Fi App Screen Displays**

1. **IntesisHome®**
2. **FGLair®**

### Wi-Fi Devices

See compatibility table, page 13.

---

* Minimum Heat. Sleep Timer functions will be lost when the wired remote control is installed.
* Wall mounted ASU 9, 12 and 15 require accessory interface kit (Part UTY-XCBXZ2) in order to connect this device to them. Wall mounted ASU 12, 15 and 18 require accessory interface kit (Part UTY-XCBXZ1) in order to connect this device to them.
* Not compatible with models ABU1824BUX, AXU18UX, AXU1824/30BUUX, AIR90026/63BUWX.

---

**ACCESSORIES**

---

**MULTI-ZONE MINI-SPLITS FEATURES**

- 66 67
- 5 INDOOR UNITS MAX
- 7 7 9 9 15 55
- 7 9 9 12 18 55
- 7 7 9 9 18 61
- 7 7 9 9 15 52
- 7 7 9 12 12 49
- 7799 2 4 5 6
- 7 7 12 15 18 59
- 7 7 12 15 15 56
- 7 7 12 12 18 56
- 7 7 12 12 15 53
- 7 7 12 12 12 50
- 7 7 9 18 18 59
- 7 7 9 15 15 53
- 7 7 9 12 18 53
- 7 7 9 12 15 50
- 7799 2 4 6 0
- 7 7 9 15 15 63
- 9 9 12 15 15 60
- 9 9 12 12 18 60
- 9 9 12 12 15 57
- 9 9 9 1 51 55 7
- 9 1 21 21 21 56 0
- 9 1 21 21 51 56 3
- 9 9 9 12 18 57
- 9 9 9 12 15 54
- 9 9 9 12 12 51

---

* See compatibility table, page 13.
**ACCESSORIES**

**INTERFACE KITS**

- **Dry Contact Wire Kit**
  - UTI-XYKWI2
  - Turns system on or off using a normally open circuit. For example in home automation, BMS integration of only ON/OFF operation, occupancy sensor, key card switch, or load control of other heating/cooling devices.

- **Slim Duct Connector Kit**
  - UTI-EDC5A
  - Connects up to 5 sets of wires. Can be used to turn unit on/off, wire in flow switch, AUX heater, turn on an external device (Fan), or show if the unit is running.

- **Interface Kit Box**
  - UTI-GOB8
  - Used to conceal Interface Kit UTI-XCBZ2.

**ACCESSORY COMPATIBILITY**

- **Remote Controls**
  - UTY-RNRU Wired Remote Control
  - UTY-RNBYU Wired Remote Control (ARU18, ARU24)

- **Aux Base Pan Heater**
  - UTY-TWBXF1
  - Required to connect ASU9, 12, 15RLS3Y in order to connect these devices to them.

**FRESH AIR INTAKE KITS**

- **Fresh Air Intake Kit**
  - UTY-XWZX
  - For use where code requires a fresh air intake.

- **Fresh Air Intake Kit**
  - UTY-XWZXZ4
  - Outdoor Unit Base Plate

**MISCELLANEOUS**

- **3-Pole Single Throw Safety Switch**
  - K451P
  - For use where code requires a disconnect at the indoor unit.

- **Condensate Pump**
  - UTI-80B2
  - OEM design plan into existing ducts for ease of installation. Rated for 31.8°F of vertical lift. Only used with system 36RSLX.

- **18+16 Combo Fittings Kit**
  - K9FZ1816
  - Allows two 18,000 BTU indoor units to be used on an outdoor ARU18RLEX. Requires special piping: limited to only 18,000 BTU models. Total BTU capacity is limited to 36,400 BTU in cooling. The kit uses splines for 3/8" and 1/2".

- **Auto Louver Grille Kit**
  - UTY-QWS2-W (for ARU18)
  - UTY-QWS3-W (for ARU24)
  - Auto Louver provides comfortable airflow and blends in with various interiors. Grille can be mounted directly to indoor unit or through the rectangular duct. Only compatible with ARU models with serial numbers greater than 2000.

**SINGLE-ZONE**

- **WALL MOUNTED**
  - FLOOR MOUNTED
  - COMPACT CASSETTE
  - SLIM DUCT
  - UNIVERSAL CASSETTE
  - LARGE CASSETTE
  - HI-FI MULTI-ZONE AND FLEX-ZONE

**ACCESSORY COMPATIBILITY**

- **Remote Controls**
  - UTY-RNNUM Wired Remote Control
  - UTY-RNRUZ1 Wired Remote Control
  - UTY-TWBXF1 Interface Kit

- **Outlet Shutter Plate Kit**
  - UTI-YDZB
  - Requires accessory interface kit #UTY-TWBXF1 and plug model #UTY-WIFI in order to connect these devices to them.

- **FRESH AIR INTAKE KITS**
  - UTY-XWZX
  - For use where code requires a fresh air intake.

- **MISCELLANEOUS**
  - K9FZ1818 18+18 Combo Fittings
  - In order to minimize incorrect charging of systems with R22 Fujitsu uses a different set of fittings.

- **Remote Controls**
  - UTY-RNNUM Wired Remote Control
  - UTY-RNRUZ1 Wired Remote Control
  - UTY-TWBXF1 Interface Kit

- **Outlet Shutter Plate Kit**
  - UTI-YDZB
  - Required to connect the ASU9, 12, 15RLS3Y to Wired Remotes UTY-RNBYU and UTY-RNBYU in order to connect these devices to them.

- **Base Heater**
  - UTY-TWBXF1
  - Used to hook up an AUX base pan heater to the outdoor unit. Heater will stop ice from forming in the outdoor unit. Base heater will operate when outdoor temperature is below 36°F. Heater is field supply. Heaters greater than 25W can’t be fed directly from the board, but have to be powered from another source.

- **Outdoor Unit**
  - UTY-KXGC
  - Interface Kit

- **Interface Kit**
  - UTY-XCBZ2
  - Required to connect ASU9 to Dry Contact Wire Kit UTI-XYKWI2, and lead Lag Control power. Required to connect ASU30RLE to Dry Contact Wire Kit UTY-XWZXZ4, and Simple Remote Control UTI-XYKNIUM.

- **FRESH AIR INTAKE KITS**
  - UTY-XWZX
  - For use where code requires a fresh air intake.

- **MISCELLANEOUS**
  - K9FZ1818 18+18 Combo Fittings
### MULTI/FLEX ZONE MODELS

| Model | 18 | R | L | X | F | Z | H | Drill Down
|-------|----|---|---|---|---|---|---|---------------------------
| AOU Wall Mount | BTH in thousands | Reverse cycle heat pump | = | Cassette = | Inverter = | Super Efficient = | Zone = | High Heating |
| AOU Universal Mount Cooling Supp. | = | = | = | = | = | = | = | = |
| AOU Slim Duct Cooling Only | = | = | = | = | = | = | = | = |
| AOU Cassette Mount Extended Line Set | = | = | = | = | = | = | = | = |
| AOU Floor Mount Super Efficient | = | = | = | = | = | = | = | = |
| AOU Outdoor Unit 230V | = | = | = | = | = | = | = | = |

### 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, resulting in property damage and personal injury. Check with your utility company or appropriate local authority for proper installation requirements in your area. Each unit requires the installation of the return air system. Each unit requires the installation of the return air system.

**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 wide operating range and much higher 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 temperatures up to +4 degrees relative to set temperature. To increase energy efficiency in small-scale systems, you should turn off the evaporators when heating 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**
  - ISO9001:2008
  - ISO14001

- **AHRI ENERGY GUIDE® PROGRAM (U.S.)**

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

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

- **HRAI ENERGUIDE® PROGRAM (CANADA)**

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

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

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