Mini-Split Air Conditioners and Heat Pumps
for Residential and Light Commercial Applications
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Fujitsu Mini-Splits:
Year-Round, Whole-Home or Business
Energy Efficient Heating and Cooling

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

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

How Does a Mini-Split Work?
Like your refrigerator, heat pumps use electricity to pump refrigerant and transfer heat from one space to another. When we transfer heat from within our home to the outdoors, we call it "air conditioning". Conversely, when we transfer heat from the outdoors to within the home, we call it a "heat-pump".
An electric heater converts electricity directly to heat, and if we assume that the heat loss is zero, the output from one kilowatt input is one kilowatt or 3,400 BTU and the EER is 3.4.

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

*EER (Energy Efficiency Rating) = Rated BTU capacity divided by total kW input.*
Individual Zoning: Personalized Whole Home Comfort

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

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

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 AOU36RLXFZ1.
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 controller (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
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.
Energy Efficient: The Smart Choice in Comfort

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

Where Does My Money Go?

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

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

Rebates

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

ENERGY STAR® Qualified Systems

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

Fujitsu has 28 systems that are ENERGY STAR qualified in 2015, 18 of which meet criteria qualifying for ENERGY STAR® Most Efficient. See the lineup chart on pages 14 - 15 for a full listing of all ENERGY STAR® qualified systems.
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 free-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
Oil rigs
Bars
Sunrooms and additions
Warehouses
Nursing homes
Small offices
Older homes
New construction homes
Schools
Places of worship
Hospitals and medical facilities
Restaurants
Computer rooms
Hotels and motels
Car washes
ATM vestibules

Just about any place that requires comfort!
# Feature Explanation

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

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

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

**Apple Catechin Filter (polyphenol ingredient from apples)**  
Dust, mold spores and microorganisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated. 3 - 12 month life expectancy, depending on environment.

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

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

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

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

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

**Auto Louver: Up/Down**  
Redirects airflow automatically with seven position up and down motion which can be set to auto swing.

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

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

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

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

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

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

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

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

**Quiet Mode (Indoor Unit)**  
An extra quiet fan speed to make sure you are not disturbed.

**Outdoor Unit Low Noise**  
Limits compressor and fan speed during high speed operation for a 3 dB noise reduction.+

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

**Auto Restart/Reset**  
Following a power failure, systems will automatically restart in the same operating mode as before, once power has been restored.

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

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

**Blue Fin Heat Exchanger**  
Blue fin treatment to the outdoor unit’s heat exchanger improves corrosion resistance.

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

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

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

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

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

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

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

**Fresh Air Intake**  
Outside air can be introduced by attaching field supplied flexible duct to fresh air knockouts.

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

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

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

*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.
### Feature Summary

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<thead>
<tr>
<th>Feature</th>
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<th>Single Zone Ducted</th>
<th>Single Zone Cassette</th>
<th>Universal Ceiling Susp.</th>
<th>Floor Mount</th>
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</table>

* SEER and HSPF ratings depend on combination of indoor units and outdoor unit selected.
* Available only with optional Fresh Air Intake Kit.
* Available only with optional wireless remote controller.
* Available only with optional Interface Kit.
* Available only when used with Flex Zone AOU44RLXFZ1 outdoor unit.
* The only combinations that qualify are AOU18RLXFZ with (2) ASU9RLF1, AOU18RLXFZ with (1) ASU12RLF1 + (1) ASU9RLF1 + (1) ASU12RLF1, AOU24RLXFZ with (2) ASU9RLF1 + (1) ASU12RLF1 + (1) ASU18RLF1.
* Operation monitoring and On/Off control only.
* Auto Changeover is not designed to provide rapid changes between heating and cooling operation or simultaneous heating and cooling. This feature is not recommended for systems with more than one indoor unit unless all indoor units have similar heating and cooling requirements and have similar temperature set points. If all indoor units have similar heating and cooling requirements and have similar temperature set points, auto changeover will work.
* Blue Fin is featured on outdoor multi-zone models AOU18RLXFZ, AOU18RLXFZ2, AOU24RLXFZ, AOU24RLXFZ2, AOU36RLXFZ, and AOU48RLXFZ2.
* ASU12/15LS2 are NOT compatible with AOU18/24RLXFZH or AOU36LRXFZ1.
### Single Zone And Multi-Zone Systems Lineup

**Minimum Ambient Heating Temperatures:**
- **+14°F**
- **+5°F**
- **0°F**
- **-5°F**
- **-15°F**

#### SINGLE ZONE WALL MOUNTED MINI-SPLITS

<table>
<thead>
<tr>
<th>BTU</th>
<th>9,000</th>
<th>12,000</th>
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<td>Entry Level Heat Pump</td>
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<td><img src="ASU9RLF1_AOU9RLFW1.png" alt="Image" /></td>
<td><img src="ASU12RLF1_AOU12RLFW1.png" alt="Image" /></td>
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<tr>
<td>Wall Mount</td>
<td><strong>NEW</strong> Highest Efficiency</td>
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<td>Wall Mount</td>
<td><strong>NEW</strong> Extra Low Temp Heating</td>
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<td><img src="ASU12RLS3_AOU12RLS3H.png" alt="Image" /></td>
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#### SINGLE ZONE NON-WALL MOUNTED MINI-SPLITS

- **Universal Mount**
- **Floor/Ceiling**
- **Ceiling Suspended**
- **Large Cassette**
- **Slim Duct**
- **Horizontal/Vertical**
- **Compact Cassette**
- **Floor Mount**
- **Highest Efficiency**
- **Extra Low Temp Heating**

#### MULTI-ZONE MINI-SPLITS - INDOOR UNITS

<table>
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<th>7,000</th>
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<td><img src="ASU9RLF.png" alt="Image" /></td>
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<td>Large Wall Mount</td>
<td><img src="ASU9RL.png" alt="Image" /></td>
<td><img src="ASU12RL.png" alt="Image" /></td>
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<tr>
<td>Slim Duct</td>
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<td><img src="ARU9RLF.png" alt="Image" /></td>
<td><img src="ARU12RLF.png" alt="Image" /></td>
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<td>Compact Cassette</td>
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<td>Floor Mount</td>
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<td><img src="AGU15RLF.png" alt="Image" /></td>
<td><img src="AGU18RLF.png" alt="Image" /></td>
<td><img src="AGU36RLF.png" alt="Image" /></td>
<td><img src="AGU42RLF.png" alt="Image" /></td>
</tr>
</tbody>
</table>

**NOTE:** ASU9,12,15RLS2 are NOT compatible with AOU18/24RLXFZH or AOU36RLXFZ1.
### Minimum Ambient Heating Temperatures:

- **+14°F**
- **+5°F**
- **0°F**
- **-5°F**
- **-15°F**

<table>
<thead>
<tr>
<th>BTU</th>
<th>18,000 (2 Indoor Units)</th>
<th>24,000 (2 - 3 Indoor Units)</th>
<th>30,000</th>
<th>36,000 (2* - 4 Indoor Units)</th>
<th>48,000 (2 - 8 Indoor Units)</th>
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<tbody>
<tr>
<td></td>
<td><strong>NEW!</strong> ASU18RLB / AOU18RLB</td>
<td><strong>NEW!</strong> ASU24RLB / AOU24RLB</td>
<td>ASU30RLX / AOU30RLX</td>
<td>ASU36RLX / AOU36RLX</td>
<td><strong>NEW!</strong> AOU48RLXFZH</td>
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<td>ASU18RLF / AOU18RLXFW</td>
<td><strong>NEW!</strong> ASU24RLF / AOU24RLXFW</td>
<td>ASU30RLX / AOU30RLX</td>
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<td></td>
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<td><strong>NEW!</strong> AOU24RLXFZ1</td>
<td><strong>NEW!</strong> AOU36RLXFZ1</td>
<td><strong>NEW!</strong> AOU48RLXFZ1</td>
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<td></td>
<td><strong>NEW!</strong> AOU24RLXH</td>
<td></td>
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</tr>
</tbody>
</table>

**NEW!**

* If AOU36RLXFZ1 is paired with two 18,000 BTU indoor units, you have to purchase optional kit Part #K9FZ1818.

+ The only combinations that qualify are AOU18RLXFZ with (2) ASU9RLF1, AOU18RLXFZ with (1) ASU7RLF1 + (1) ASU12RLF1, AOU18RLXFZ with (1) ASU9RLF1 + (1) ASU12RLF1, AOU24RLXFZ with (2) ASU7RLF1 + (1) ASU9RLF1.
SINGLE ZONE MINI-SPLIT SYSTEMS

Making the hottest places cool and the coolest places more comfortable

- Extensive lineup from 9,000 to 42,000 BTU/h
- 36 different systems available in 11 indoor unit styles
- Energy efficient systems with SEER ratings as high as 33.0 and HSPF as high as 14.2
- 22 ENERGY STAR® qualified systems
- Inverter Technology is used in all systems
- All systems feature environmentally friendly R410A refrigerant
- Quiet operation with indoor units as low as 21 dB and outdoor units as low as 47 dB
### Wall Mounted 115V Inverter 9, and 12,000 BTU Systems

**SYSTEMS 9RL2, 12RL2**

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

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

#### Easy Maintenance
Front panel is easily removed for cleaning.

#### Standard Features
- Wireless Remote Control
- Sleep Timer
- Dry Mode
- Auto Louver
- Auto Mode
- Powerful Operation
- Quiet Mode
- Economy Mode
- Auto Restart/Reset
- Auto Changeover
- Low Ambient
- Cold Prevention

---

### 16.0 SEER

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<thead>
<tr>
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<td>Min.–Max. Cooling BTU/h</td>
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<td><strong>Nominal Heating BTU/h</strong></td>
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<tr>
<td>Min.–Max. Heating BTU/h</td>
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<tr>
<td><strong>HSPF BTU/h/W</strong></td>
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<tr>
<td><strong>SEER BTU/h/W</strong></td>
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</tr>
<tr>
<td><strong>EER Clg/Htg</strong></td>
<td>10.8/13.0</td>
</tr>
<tr>
<td><strong>Clg. Operating Range °F(°C)</strong></td>
<td>15–115 (-10–46)</td>
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<tr>
<td><strong>Htg. Operating Range °F(°C)</strong></td>
<td>15–75 (-10–24)</td>
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<td><strong>Moisture Removal Clg/h(L/h)</strong></td>
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<td><strong>Voltage/Frequency/Phase</strong></td>
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<td><strong>Quiet</strong></td>
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<td>33/33</td>
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<tr>
<td><strong>Quiet</strong></td>
<td>23/23</td>
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<td><strong>Outdoor Fan Speed RPM</strong></td>
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<td><strong>Outdoor Noise Level dBA Clg/Htg</strong></td>
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<td><strong>Current (A): Cooling</strong></td>
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<td><strong>Heating</strong></td>
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<td><strong>Fan Speeds Stage</strong></td>
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<td><strong>Air Direction: Horizontal</strong></td>
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<td><strong>Vertical</strong></td>
<td>Automatic</td>
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<tr>
<td><strong>Air Filter</strong></td>
<td>Washable</td>
</tr>
<tr>
<td><strong>Connection Method</strong></td>
<td>Flare</td>
</tr>
<tr>
<td>Combined Min. Lgh Ft(m)</td>
<td>10 (3)</td>
</tr>
<tr>
<td>Combined Max. Lgh Ft(m)</td>
<td>66 (20) (pre-charge: 49')</td>
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<tr>
<td>Max. Vertical Dff. Ft(m)</td>
<td>49 (15)</td>
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<tr>
<td><strong>Conn. Pipe Diameter Inch</strong></td>
<td>3 (8)</td>
</tr>
<tr>
<td><strong>Net Weight lbs. (kg)</strong></td>
<td>16 (7)</td>
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<tr>
<td><strong>Dimensions: Height Inch mm</strong></td>
<td>10-5/16 262</td>
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<tr>
<td><strong>Width Inch mm</strong></td>
<td>32-9/32 820</td>
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<tr>
<td><strong>Depth Inch mm</strong></td>
<td>8-1/8 206</td>
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<tr>
<td><strong>Refrigerant</strong></td>
<td>R410A</td>
</tr>
</tbody>
</table>

Note: Figures are based on 115 Volts.
Wall Mounted High-SEER 9, 12 and 15,000 BTU Systems

SYSTEMS 9RLS3, 12RLS3, 15RLS3

Energy Saving Program

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

High Performance Heating

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

Standard Features for RLS3 and RLS3H Models

- Wireless Remote Control
- Apple Catechin Filter
- Ion Deodorizing Filter
- Sleep Timer
- 24 Hour Timer
- Weekly Timer
- Dry Mode
- Auto Louver: 4-Way
- Auto Mode
- Powerful Operation Mode
- 3rd Party Device Control*

+ Available only with optional wired remote controller and optional interface kit.
+ Available only with optional interface kit. Operation monitoring and On/Off control only.

Optional Accessories

- Wired Remote Controller: UTY-RVNUM
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Communication Kit: UTY-TWBXF1
- Dry Contact Wire Kit: UTY-XWZXZ5

Note: Figures are based on 230 Volts.

<table>
<thead>
<tr>
<th>9RLS3 Heat Pump</th>
<th>12RLS3 Heat Pump</th>
<th>15RLS3 Heat Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling BTU/h</td>
<td>9,000</td>
<td>12,000</td>
</tr>
<tr>
<td>Min.~Max. Heating BTU/h</td>
<td>3,100~12,000</td>
<td>3,100~13,600</td>
</tr>
<tr>
<td>Nominal Heating BTU/h</td>
<td>12,000</td>
<td>16,000</td>
</tr>
<tr>
<td>Min.~Max. Heating BTU/h</td>
<td>3,100~22,000</td>
<td>3,100~22,100</td>
</tr>
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<td>HSPF BTU/h</td>
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<td>SEER BTU/h</td>
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<td>EER Clg/Htg</td>
<td>18.0</td>
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<tr>
<td>Clg. Operating Range °F(°C)</td>
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<td>14<del>115 (-10</del>46)</td>
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<tr>
<td>Htg. Operating Range °F(°C)</td>
<td>-5<del>75 (-21</del>24)</td>
<td>-5<del>75 (-21</del>24)</td>
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<tr>
<td>Moisture Removal Pt./h(l/h)</td>
<td>2.6 (1.2)</td>
<td>2.7 (1.3)</td>
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<td>Voltage/Frequency/Phase</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
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<td>Air Circ. C.F.M. (m³/h): Hi</td>
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<td>489 (830)</td>
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<tr>
<td>Medium</td>
<td>400 (680)</td>
<td>400 (680)</td>
</tr>
<tr>
<td>Low</td>
<td>341 (580)</td>
<td>341 (580)</td>
</tr>
<tr>
<td>Quiet</td>
<td>224 (380)</td>
<td>224 (380)</td>
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<tr>
<td>Htg 294 (500)</td>
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<td>Noise Level dB(A) Clg/Htg: Hi</td>
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<td>42/41</td>
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<td>37/35</td>
<td>37/35</td>
</tr>
<tr>
<td>Low</td>
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<td>32/31</td>
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<tr>
<td>Quiet</td>
<td>23/23</td>
<td>23/23</td>
</tr>
<tr>
<td>Outdoor Fan Speed RPM Clg/Htg</td>
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<td>899/1,082</td>
</tr>
<tr>
<td>Outdoor Noise Level dB(A) Clg/Htg</td>
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<td>43/47</td>
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<tr>
<td>Current Rated/Max (A): Cooling</td>
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<td>3.8/9.4</td>
</tr>
<tr>
<td>Heating</td>
<td>3.3/10.0</td>
<td>4.7/11.9</td>
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<tr>
<td>Power Use Rated/Max (kw): Cooling</td>
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<td>Heating</td>
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<td>4+Auto</td>
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<td>Automatic</td>
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<tr>
<td>Air Filter</td>
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<tr>
<td>Connection Method</td>
<td>Flare</td>
<td>Flare</td>
</tr>
<tr>
<td>Combined Min. Lgh Ft (m)</td>
<td>10 (3)</td>
<td>10 (3)</td>
</tr>
<tr>
<td>Combined Max. Lgh Ft (m)</td>
<td>66 (20)</td>
<td>66 (20)</td>
</tr>
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<td>Max. Vertical Diff. Ft (m)</td>
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<td>49 (15)</td>
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<td>Conn. Pipe Diameter Inch</td>
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<td>31 (14)</td>
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<td>84 (38)</td>
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<td>37</td>
<td>31-1/8</td>
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<td>10-5/8</td>
<td>11-7/16</td>
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<tr>
<td>Refrigerant</td>
<td>R410A</td>
<td>R410A</td>
</tr>
</tbody>
</table>

Note: Figures are based on 230 Volts.
Wall Mounted High-Heat 9, 12 and 15,000 BTU Systems

SYSTEMS 9RLS3H, 12RLS3H, 15RLS3H

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

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

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

**Optional Accessories**
- Wired Remote Controller: UTY-RVNUM
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Communication Kit: UTY-TWBF1
- Dry Contact Wire Kit: UTY-XWZX5

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### System Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>9RLS3H</th>
<th>12RLS3H</th>
<th>15RLS3H</th>
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<tbody>
<tr>
<td>Nominal Cooling BTU/h</td>
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<td>14,500</td>
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<td>18,000</td>
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<td>3,100–22,100</td>
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<td>-15–75 (-26–24)</td>
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<td>Clg 259 (440)</td>
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<td>23/23</td>
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<td>43/47</td>
<td>49/50</td>
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<td>4.8/9.9</td>
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<td>4+Auto</td>
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<td>Washable</td>
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<tr>
<td>Connection Method</td>
<td>Flare</td>
<td>Flare</td>
<td>Flare</td>
</tr>
<tr>
<td>Combined Min. Lrgth Ft (m)</td>
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<td>10 (3)</td>
<td>10 (3)</td>
</tr>
<tr>
<td>Combined Max. Lrgth Ft (m)</td>
<td>66 (20)</td>
<td>66 (20)</td>
<td>66 (20)</td>
</tr>
<tr>
<td>Max. Vertical Diff. Ft (m)</td>
<td>49 (15)</td>
<td>49 (15)</td>
<td>49 (15)</td>
</tr>
<tr>
<td>Conn. Pipe Diameter Inch</td>
<td>31 (14)</td>
<td>31 (14)</td>
<td>31 (14)</td>
</tr>
<tr>
<td>Net Weight lbs. (kg)</td>
<td>19</td>
<td>19</td>
<td>19</td>
</tr>
<tr>
<td>Dimensions: Height Inch mm</td>
<td>11-5/8</td>
<td>11-5/8</td>
<td>11-5/8</td>
</tr>
<tr>
<td>Width Inch</td>
<td>37</td>
<td>37</td>
<td>37</td>
</tr>
<tr>
<td>Depth Inch</td>
<td>940</td>
<td>940</td>
<td>940</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
</tr>
</tbody>
</table>

Note: Figures are based on 230 Volts.
### Standard Features

- Wireless Remote Control
- Apple Catechin Filter
- Ion Deodorizing Filter
- Sleep Timer
- Dry Mode
- Auto Louver: Up/Down+
- Auto Louver: 4-way^  
- Auto Mode
- Minimum Heat Mode
- Economy Mode
- Quiet Mode
- Power Diffuser^  
- Auto Restart/Reset
- Low Ambient Cooling
- Long Piping Length^  
- Cold Prevention
- Remote Temp. Sensor*  
- Pump Down Operation^  
- 3rd Party Device Control**

* Available only with optional wired remote controller.  
+ Feature of 9RLFW1 and 12RLFW1 only.  
^ Feature of 18RLXFW and 24RLXFW only.  
**Operation monitoring and Off/On control only.

### Optional Accessories

- Wired Remote Controller: UTY-RVNUM*  
  Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM*  
- Simple Remote Controller: UTY-RSNUM*  
- Dry Contact Wire Kit: UTY-XWZX+  
- Dry Contact Wire Kit: UTY-XWZXZ5  
- Interface Kit: UTY-XCBXZZ.

* Wall mounted ASU9, 12RLFL1 require accessory interface kit #UTY-XCBXZZ in order to connect these devices to them.  
+ Compatible with ASU9, 12RLF1 only.

### Adapter Fittings

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

<table>
<thead>
<tr>
<th>Refrigerant</th>
<th>3/8&quot; x 5/8&quot;</th>
<th>5/8&quot; x 3/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>For 18RLF</td>
<td>1/2&quot; for 18RLF</td>
<td></td>
</tr>
</tbody>
</table>

### Systems 9RLFW1, 12RLFW1

#### 9RLFW1, 12RLFW1, 18RLXFW, 24RLXFW

(Compatible Only With HFI Wall Mount Unit)

<table>
<thead>
<tr>
<th></th>
<th>9RLFW1 Heat Pump</th>
<th>12RLFW1 Heat Pump</th>
<th>18RLXFW Heat Pump</th>
<th>24RLXFW Heat Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling BTU</td>
<td>9,000</td>
<td>12,000</td>
<td>18,000</td>
<td>22,000</td>
</tr>
<tr>
<td>Min.-Max. Cooling BTU</td>
<td>1,700–10,900</td>
<td>3,100–13,300</td>
<td>7,000–23,000</td>
<td>9,900–27,300</td>
</tr>
<tr>
<td>Nominal Heating BTU</td>
<td>12,000</td>
<td>16,000</td>
<td>21,600</td>
<td>27,600</td>
</tr>
<tr>
<td>Min.-Max. Heating BTU</td>
<td>7,700–15,000</td>
<td>3,100–19,100</td>
<td>7,000–29,000</td>
<td>7,500–36,200</td>
</tr>
<tr>
<td>HSPF BTU/h</td>
<td>11.0</td>
<td>11.0</td>
<td>10.0</td>
<td>10.0</td>
</tr>
<tr>
<td>SEER BTU/h</td>
<td>23.0</td>
<td>22.0</td>
<td>19.2</td>
<td>18.0</td>
</tr>
<tr>
<td>EER Cfg/Hgt</td>
<td>13.8/13.5</td>
<td>12.5/12.5</td>
<td>13.7/12.0</td>
<td>12.8/11.6</td>
</tr>
<tr>
<td>Htg. Operating Range °F(°C)</td>
<td>5–75 (-15–24)</td>
<td>5–75 (-15–24)</td>
<td>5–75 (-15–24)</td>
<td>0–75 (-18–24)</td>
</tr>
<tr>
<td>Moisture Removal Plt.(ft/lb)</td>
<td>2.75 (1.3)</td>
<td>3.80 (1.8)</td>
<td>5.9 (2.8)</td>
<td>6.3 (3.0)</td>
</tr>
<tr>
<td>Voltage/Frequency/Phase</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAX.CRT.BKR (A)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Circ. C.FM. (m³/h): Hi</td>
<td>441 (750)</td>
<td>441 (750)</td>
<td>541 (920)</td>
<td>669 (1,120)</td>
</tr>
<tr>
<td>Low</td>
<td>376 (640)</td>
<td>376 (640)</td>
<td>435 (740)</td>
<td>500 (930)</td>
</tr>
<tr>
<td>Quiet</td>
<td>182 (310) Hgt</td>
<td>182 (310) Hgt</td>
<td>365 (620)</td>
<td>365 (620)</td>
</tr>
<tr>
<td>Noise Level dBA (Cfg/Hgt): Hi</td>
<td>43/43</td>
<td>43/43</td>
<td>43/44</td>
<td>49/49</td>
</tr>
<tr>
<td>Low</td>
<td>40/38</td>
<td>40/38</td>
<td>37/37</td>
<td>42/42</td>
</tr>
<tr>
<td>Quiet</td>
<td>32/33</td>
<td>32/33</td>
<td>33/33</td>
<td>37/37</td>
</tr>
<tr>
<td>Fan Speeds Stage</td>
<td>4+Auto</td>
<td>4+Auto</td>
<td>4+Auto</td>
<td>4+Auto</td>
</tr>
<tr>
<td>Vertical</td>
<td>Automatic</td>
<td>Automatic</td>
<td>Automatic</td>
<td>Automatic</td>
</tr>
<tr>
<td>Air Filter</td>
<td>Washable</td>
<td>Washable</td>
<td>Washable</td>
<td>Washable</td>
</tr>
<tr>
<td>Apple Catechin Filter</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Connection Method</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Combined Min. Lgth Ft(m)</td>
<td>10 (3)</td>
<td>10 (3)</td>
<td>16 (5)</td>
<td>16 (5)</td>
</tr>
<tr>
<td>Combined Max. Lgth Ft(m)</td>
<td>60 (20.1)</td>
<td>60 (20.1)</td>
<td>164 (50)</td>
<td>164 (50)</td>
</tr>
<tr>
<td>Max. Vertical Diff. Ft(m)</td>
<td></td>
<td></td>
<td>(pre-charge: 49)</td>
<td>(pre-charge: 49)</td>
</tr>
<tr>
<td>Conn. Pipe Diameter Inch</td>
<td></td>
<td></td>
<td>(pre-charge: 66)</td>
<td>(pre-charge: 66)</td>
</tr>
<tr>
<td>Net Weight lbs. (kg)</td>
<td>49 (15)</td>
<td>49 (15)</td>
<td>98 (30)</td>
<td>98 (30)</td>
</tr>
<tr>
<td>Dimensions: Height Inch</td>
<td></td>
<td></td>
<td>18 (8)</td>
<td>18 (8)</td>
</tr>
<tr>
<td>Width Inch</td>
<td>91/716 (23)</td>
<td>91/716 (23)</td>
<td>32 (8)</td>
<td>32 (8)</td>
</tr>
<tr>
<td>Depth Inch</td>
<td>33/31 1/16</td>
<td>33/31 1/16</td>
<td>32 (8)</td>
<td>32 (8)</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
</tr>
</tbody>
</table>

Note: Figures are based on 230 Volts.
Wall Mounted 30,000 BTU Systems

SYSTEM 30RLX

Function
This wall mounted heat pump provides both heating and cooling for year-round comfort. Ultra compact yet efficient, System 30RLX provides maximum comfort in 30% less space while saving you money. Additionally, System 30RLX provides low ambient operation rated down to 0°F right out of the box without modification.

Standard Features
- Wireless Remote Control
- Quiet Mode (Indoor)
- Apple Catechin Filter
- Power Diffuser
- Ion Deodorizing Filter
- Auto Restart/Reset
- Sleep Timer
- Auto Changeover
- 24-Hour Timer
- 0°F Ambient Cooling
- Dry Mode
- Long Piping Length
- Auto Louver: 4-way
- Cold Prevention
- Minimum Heat Mode
- Pump Down Operation
- Economy Mode
- 3rd Party Device Control*

Optional Wired Remote
- Weekly Timer
- Full Function Wired Remote
- Child Lock Capable

Easy Maintenance
Front panel is easily removed for cleaning.

Applications
Fujitsu ductless heat pumps can be used to solve various application-specific problems. Businesses and institutions such as schools, churches, nursing homes and hospitals, commercial office buildings, strip malls, motels and restaurants, apartments and condos, computer and telephone switching rooms, and even residences commonly use these systems. With more efficient zone control, “ductless mini-splits” are perfect for renovations, restorations, conversions, and add-ons.

30RLX Heat Pump

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling BTU/h</td>
<td>30,000</td>
</tr>
<tr>
<td>Min.–Max. Cooling BTU/h</td>
<td>9,900–32,400</td>
</tr>
<tr>
<td>Nominal Heating BTU/h</td>
<td>32,000</td>
</tr>
<tr>
<td>Min.–Max. Heating BTU/h</td>
<td>8,000–37,500</td>
</tr>
<tr>
<td>HSPF BTU/hW</td>
<td>9.5</td>
</tr>
<tr>
<td>SEER BTU/hW</td>
<td>17.5</td>
</tr>
<tr>
<td>EER Clg/Htg</td>
<td>10.0</td>
</tr>
<tr>
<td>Clg. Operating Range °F(°C)</td>
<td>0–115 (-18–46)</td>
</tr>
<tr>
<td>Htg. Operating Range °F(°C)</td>
<td>0–75 (-18–24)</td>
</tr>
<tr>
<td>Moisture Removal Pt.l/h</td>
<td>9.5 (4.5)</td>
</tr>
<tr>
<td>Voltage/Frequency/Phase</td>
<td>208-230/60/1</td>
</tr>
<tr>
<td>MAX.CRT.BKR (A)</td>
<td>30</td>
</tr>
<tr>
<td>Air Circ. C.F.M. (m³/h)</td>
<td>659 (1,120) Clg 677 (1,150) Htg</td>
</tr>
<tr>
<td>Medium</td>
<td>530 (900)</td>
</tr>
<tr>
<td>Low</td>
<td>435 (740)</td>
</tr>
<tr>
<td>Quiet</td>
<td>365 (620)</td>
</tr>
<tr>
<td>Noise Level dB(A): Hi</td>
<td>49/49 (Clg/Htg)</td>
</tr>
<tr>
<td>Medium</td>
<td>42/42 (Clg/Htg)</td>
</tr>
<tr>
<td>Low</td>
<td>37/37 (Clg/Htg)</td>
</tr>
<tr>
<td>Quiet</td>
<td>33/33 (Clg/Htg)</td>
</tr>
<tr>
<td>Outdoor Fan Speed RPM Clg/Htg</td>
<td>850/850</td>
</tr>
<tr>
<td>Outdoor Noise Level dB(A)</td>
<td>54/55 (Clg/Htg)</td>
</tr>
<tr>
<td>Current Rated/Max (A): Cooling</td>
<td>13.2/17.0</td>
</tr>
<tr>
<td>Heating</td>
<td>13.1/18.5</td>
</tr>
<tr>
<td>Power Use Rated/Max (kw): Cooling</td>
<td>3.0/3.87</td>
</tr>
<tr>
<td>Heating</td>
<td>2.99/4.22</td>
</tr>
<tr>
<td>Fan Speeds Stage</td>
<td>4 + Auto</td>
</tr>
<tr>
<td>Air Direction: Horizontal</td>
<td>Automatic</td>
</tr>
<tr>
<td>Vertical</td>
<td>Automatic</td>
</tr>
<tr>
<td>Air Filter</td>
<td>Washable</td>
</tr>
<tr>
<td>ENERGY STAR® Qualified</td>
<td>No</td>
</tr>
<tr>
<td>Connection Method</td>
<td>Flare</td>
</tr>
<tr>
<td>Combined Min. Lghth Ft (m)</td>
<td>16 (5)</td>
</tr>
<tr>
<td>Combined Max. Lghth Ft (m)</td>
<td>184 (50) (pre-charge: 66')</td>
</tr>
<tr>
<td>Max. Vertical Diff. Ft (m)</td>
<td>98 (30)</td>
</tr>
<tr>
<td>Conn. Pipe Diameter Inch</td>
<td>Suc. 5/8 Dis. 3/8</td>
</tr>
<tr>
<td>Net Weight lbs. (kg)</td>
<td>31 (14) 135 (61)</td>
</tr>
<tr>
<td>Dimensions: Height Inch mm</td>
<td>12-5/8 32-3/4</td>
</tr>
<tr>
<td>Width Inch mm</td>
<td>320 830</td>
</tr>
<tr>
<td>Depth Inch mm</td>
<td>998 900</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R410A</td>
</tr>
</tbody>
</table>

Note: Figures are based on 230 Volts.
Function
Stylish, slim and elegant, these wall mounted ductless heat pumps are designed for single rooms. Ideal for spaces requiring additional capacity but are limited on space. With more efficient zone control, “ductless mini-splits” are perfect for renovations, restorations, conversions, and add-ons.

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

Standard Features
- Wireless Remote Control
- Apple Catechin Filter
- Ion Deodorizing Filter
- Sleep Timer
- Auto Louver: 4-Way
- Auto Mode
- Minimum Heat Mode
- Economy Mode
- Auto Restart/Reset
- Auto Changeover

Optional Accessories
- Wired Remote Controller: UTY-RVNUM
  (backlight and includes room temperature)
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Control: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWXZ

Note: Figures are based on 230 Volts.
Ceiling and Universal Floor/Ceiling Mounted Systems

SYSTEMS 18RULX, 24RULX, 36RSLX

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

Standard Features
- Wireless Remote Control
- Sleep Timer
- 24 Hour Timer
- Dry Mode
- Auto Louver: 4 Way
- Auto Mode
- Auto Restart/Reset
- Auto Changeover
- 0°F Ambient Cooling
- Long Piping Length
- Cold Prevention
- Energy Saver*
- Remote Temp. Sensor*
- Daisy Chain
- Pump Down Operation
- High Ceiling Mode
- Fresh Air Intake*

Optional Accessories
- Wired Remote Control UTY-RNBYU*
- Weekly Timer
- Full Function Wired Remote
- Child Lock Capable
- Condensate Pump UTR-DPB24T
- OEM design plug and play
- Rated for 11.8” of vertical lift

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

<table>
<thead>
<tr>
<th>18RULX</th>
<th>24RULX</th>
<th>36RSLX</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling BTU/h</td>
<td>17,800</td>
<td>22,200</td>
</tr>
<tr>
<td>Min.–Max. Cooling BTU/h</td>
<td>5,000–21,600</td>
<td>5,000–27,300</td>
</tr>
<tr>
<td>Nominal Heating BTU/h</td>
<td>21,500</td>
<td>24,000</td>
</tr>
<tr>
<td>Low Heating 17°F BTU/h</td>
<td>13,000</td>
<td>15,000</td>
</tr>
<tr>
<td>Min.–Max. Heating BTU/h</td>
<td>5,000–25,600</td>
<td>5,000–29,000</td>
</tr>
<tr>
<td>HSHP BTU/W</td>
<td>8.5</td>
<td>8.5</td>
</tr>
<tr>
<td>SEER BTU/W</td>
<td>16.0</td>
<td>15.0</td>
</tr>
<tr>
<td>EER Clg/Htg</td>
<td>10.99/6.6</td>
<td>9.9/10.2</td>
</tr>
<tr>
<td>Clg. Operating Range °F(°C)</td>
<td>0–115 (-18~46)</td>
<td>0–115 (-18~46)</td>
</tr>
<tr>
<td>Htg. Operating Range °F(°C)</td>
<td>14–75 (-10~24)</td>
<td>14–75 (-10~24)</td>
</tr>
<tr>
<td>Moisture Removal Pt/lb/hr</td>
<td>5.3 (2.5)</td>
<td>7.4 (3.5)</td>
</tr>
<tr>
<td>Voltage/Frequency/Phase</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
</tr>
<tr>
<td>MAX.CRT.BKR (A)</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Air Circ. C.F.M. (m³/h): Hi</td>
<td>459 (780)</td>
<td>518 (880)</td>
</tr>
<tr>
<td>Medium</td>
<td>383 (650)</td>
<td>436 (740)</td>
</tr>
<tr>
<td>Low</td>
<td>324 (550)</td>
<td>371 (630)</td>
</tr>
<tr>
<td>Noise Level dB(A): Hi</td>
<td>43/43 (Clg/Htg)</td>
<td>47/47 (Clg/Htg)</td>
</tr>
<tr>
<td>Medium</td>
<td>39/39 (Clg/Htg)</td>
<td>43/43 (Clg/Htg)</td>
</tr>
<tr>
<td>Low</td>
<td>35/35 (Clg/Htg)</td>
<td>38/38 (Clg/Htg)</td>
</tr>
<tr>
<td>Outdoor Fan Speed RPM</td>
<td>780/780</td>
<td>850/900</td>
</tr>
<tr>
<td>Outdoor Noise Level dB(A)</td>
<td>51/53</td>
<td>53/55</td>
</tr>
<tr>
<td>Current Rated/Max (A): Heating</td>
<td>7.1/12.5</td>
<td>9.8/12.5</td>
</tr>
<tr>
<td>Power Use Rated/Max (kw): Cooling</td>
<td>1.63/2.88</td>
<td>2.25/2.88</td>
</tr>
<tr>
<td>Fan Speeds Stage</td>
<td>3 + Auto</td>
<td>3 + Auto</td>
</tr>
<tr>
<td>Air Direction: Horizontal</td>
<td>Automatic</td>
<td>Automatic</td>
</tr>
<tr>
<td>Air Filter</td>
<td>Washable</td>
<td>Washable</td>
</tr>
<tr>
<td>Front Grille</td>
<td>Permanent</td>
<td>Permanent</td>
</tr>
<tr>
<td>Connection Method</td>
<td>Flare</td>
<td>Flare</td>
</tr>
<tr>
<td>Combined Min. Lgth Ft (m)</td>
<td>16 (5)</td>
<td>16 (5)</td>
</tr>
<tr>
<td>Combined Max. Lgth Ft (m)</td>
<td>165 (50)</td>
<td>165 (50)</td>
</tr>
<tr>
<td>Max. Vertical Diff. Ft (m)</td>
<td>66 (20)</td>
<td>66 (20)</td>
</tr>
<tr>
<td>Conn. Pipe Diameter Inch</td>
<td>3/4</td>
<td>3/4</td>
</tr>
<tr>
<td>Net Weight lbs. (kg)</td>
<td>16 (5)</td>
<td>16 (5)</td>
</tr>
<tr>
<td>Dimensions: Height Inch (mm)</td>
<td>7-7/8</td>
<td>32-3/4</td>
</tr>
<tr>
<td>Width Inch (mm)</td>
<td>39-1/2</td>
<td>35-1/2</td>
</tr>
<tr>
<td>Depth Inch (mm)</td>
<td>25-7/8</td>
<td>13</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R410A</td>
<td>R410A</td>
</tr>
</tbody>
</table>

Note: Figures are based on 230 Volts.
Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space.

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

**Standard Features for RLFF and RLFFH Models**
- Wireless Remote Control
- Auto Mode
- Apple Catechin Filter
- Minimum Heat Mode
- Ion Deodorizing Filter
- Economy Mode
- Sleep Timer
- Auto Restart/Reset
- 24-Hour Timer
- Auto Changeover
- Powerful Mode

**Flexible and Easy Installation**
- Beneath standard window concave portion of wall
- Half concealed*

**Accessories for RLFF and RLFFH Models**
- Wired Remote Controller: UTY-RVNUM
- Backlit and includes room temperature
- Wired Remote Controller: UTY-RNNUM
- Simple Remote Controller: UTY-RSNUM
- Dry Contact Wire Kit: UTY-XWZXZ5

**Up to 26 SEER**

**Low Temperature Heating Down to -5°F**

**Nominal Cooling BTU/h**

<table>
<thead>
<tr>
<th>9RLFF</th>
<th>12RLFF</th>
<th>15RLFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>9,000</td>
<td>12,000</td>
<td>14,200</td>
</tr>
</tbody>
</table>

**Min.–Max. Cooling BTU/h**

<table>
<thead>
<tr>
<th>9RLFF</th>
<th>12RLFF</th>
<th>15RLFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,100–13,000</td>
<td>3,100–14,300</td>
<td>3,100–17,700</td>
</tr>
<tr>
<td>12,000</td>
<td>16,000</td>
<td>18,000</td>
</tr>
</tbody>
</table>

**Nominal Heating BTU/h**

<table>
<thead>
<tr>
<th>9RLFF</th>
<th>12RLFF</th>
<th>15RLFF</th>
</tr>
</thead>
<tbody>
<tr>
<td>3,100–18,800</td>
<td>3,100–22,100</td>
<td>3,100–23,900</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>HSPF BTU/hW</th>
<th>SEER BTU/hW</th>
<th>EER BTU/hW</th>
</tr>
</thead>
<tbody>
<tr>
<td>12.6</td>
<td>11.6</td>
<td>11.2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Clg. Operating Range °F (C)</th>
<th>Htg. Operating Range °F (C)</th>
<th>Moisture Removal Pt./h (l/h)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Voltage/Frequency/Phase</th>
<th>MAX. CRT. BKR (A)</th>
</tr>
</thead>
<tbody>
<tr>
<td>160/13.6</td>
<td>13.1/11.1</td>
</tr>
</tbody>
</table>

**RPM Clg/Htg**

| 2.75 (1.3) | 3.8 (1.8) | 4.4 (2.1) |

<table>
<thead>
<tr>
<th>Outdoor Fan Speed RPM Clg/Htg</th>
<th>Outdoor Noise Level dB(A) Clg/Htg</th>
</tr>
</thead>
<tbody>
<tr>
<td>208/230/60/1</td>
<td>159 (270)</td>
</tr>
<tr>
<td>208/230/60/1</td>
<td>212 (360)</td>
</tr>
<tr>
<td>208/230/60/1</td>
<td>271 (460)</td>
</tr>
<tr>
<td>208/230/60/1</td>
<td>306 (520)</td>
</tr>
</tbody>
</table>

**Note:** Figures are based on 230 Volts.
Floor Mount Single Zone 9, 12 and 15,000 BTU Systems

SYSTEMS 9RLFFH, 12RLFFH, 15RLFFH

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

<table>
<thead>
<tr>
<th>Fujitsu</th>
<th>Competitor</th>
<th>Competitor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drain Hole</td>
<td>Drain hole is not filled, no freezing of base</td>
<td>Drain hole is closed, large freezing of base</td>
</tr>
</tbody>
</table>

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.

Applications

<table>
<thead>
<tr>
<th>Indoor</th>
<th>Outdoor</th>
<th>Indoor</th>
<th>Outdoor</th>
<th>Indoor</th>
<th>Outdoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>AOU9RLF</td>
<td>AOU9RLFFH</td>
<td>AOU12RLF</td>
<td>AOU12RLFFH</td>
<td>AOU15RLF</td>
<td>AOU15RLFFH</td>
</tr>
</tbody>
</table>

Note: Figures are based on 230 Volts.
Slim Duct Single Zone 9, 12 and 18,000 BTU Systems

SYSTEMS 9RLFCD, 12RLFCD, 18RLFCD

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

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

Standard Features
- Wired Remote Control
- Weekly Timer
- Dry Mode
- Auto Mode
- Economy Mode
- Minimum Heat Auto
- Auto Restart/Reset
- Auto Changeover
- Low Ambient Cooling
- Cold Prevention
- Daisy Chain
- Built-In Condensate Pump
- 3rd Party Device Control*

*Available only with optional wireless remote controller.

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

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

System Components
System 9RLFCD
- ARU9RLF (Indoor)
- AOU9RLFC (Outdoor)

System 12RLFCD
- ARU12RLF (Indoor)
- AOU12RLFC (Outdoor)

System 18RLFCD
- ARU18RLF (Indoor)
- AOU18RLFC (Outdoor)

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

The chart includes CFM, external static pressure capability and a typical filter size for each model. Filters are sized to keep velocities and static pressure loss low. This will ensure sufficient static pressure is available for ductwork, fittings and supply and return grilles. Alternative filter sizes with equivalent face areas can be used. After deducting filter loss, available static pressure values are shown.

A fiberglass filter is shown in blue to the left. A MERV pleated filter is shown in white.
**Slim Duct**
Built-in drain pump allows for installation of slim duct unit in smaller spaces than traditional units.

**Return Air-intake Choices**

- **Traditional**
  - 13"
  - Drain Pump

- **Compact Duct**
  - 9.4"

**Flexible Installation**
Horizontal or vertical.

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

---

<table>
<thead>
<tr>
<th>Nominal Cooling BTU/h</th>
<th>9,000</th>
<th>12,000</th>
<th>18,000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min~Max Cooling BTU/h</td>
<td>3,100~12,000</td>
<td>3,100~13,600</td>
<td>3,100~20,100</td>
</tr>
<tr>
<td>Min~Max Heating BTU/h</td>
<td>3,100~18,000</td>
<td>3,100~19,400</td>
<td>3,100~25,600</td>
</tr>
<tr>
<td>HSPF</td>
<td>12.2</td>
<td>11.5</td>
<td>11.3</td>
</tr>
<tr>
<td>SEER</td>
<td>21.5</td>
<td>20.0</td>
<td>19.7</td>
</tr>
<tr>
<td>EER</td>
<td>14.5/14.1</td>
<td>12.8/12.3</td>
<td>12.0/12.9</td>
</tr>
<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>
</tr>
<tr>
<td>Heating Operating Range °F(°C)</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>
</tr>
<tr>
<td>Moisture Removal Pt./l(h)</td>
<td>1.5 (.07)</td>
<td>2.7 (1.3)</td>
<td>4.2 (2.0)</td>
</tr>
<tr>
<td>Voltage/Frequency/Phase</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
<td>208-230/60/1</td>
</tr>
<tr>
<td>MAX.CRT.BKR (A)</td>
<td>15</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>Static Pressure in. W. C.</td>
<td>0 ~ 0.36</td>
<td>0 ~ 0.36</td>
<td>0 ~ 0.36</td>
</tr>
<tr>
<td>Air Circ. C.FM. (m³/h) Clg/Htg: Hi</td>
<td>353 (600)</td>
<td>383 (650)</td>
<td>554 (940)</td>
</tr>
<tr>
<td>Medium</td>
<td>324 (550)</td>
<td>353 (600)</td>
<td>518 (880)</td>
</tr>
<tr>
<td>Low</td>
<td>294 (500)</td>
<td>324 (550)</td>
<td>483 (820)</td>
</tr>
<tr>
<td>Quiet</td>
<td>265 (450)</td>
<td>283 (480)</td>
<td>442 (750)</td>
</tr>
<tr>
<td>Noise Level dBA (Clg/Htg): Hi</td>
<td>28/28</td>
<td>29/29</td>
<td>32/32</td>
</tr>
<tr>
<td>Medium</td>
<td>27/26</td>
<td>28/28</td>
<td>30/30</td>
</tr>
<tr>
<td>Low</td>
<td>26/25</td>
<td>27/27</td>
<td>29/29</td>
</tr>
<tr>
<td>Quiet</td>
<td>25/24</td>
<td>26/24</td>
<td>27/27</td>
</tr>
<tr>
<td>Outdoor Fan Speed RPM Clg/Htg</td>
<td>590/720</td>
<td>870/780</td>
<td>870/1,000</td>
</tr>
<tr>
<td>Outdoor Noise Level Clg/Htg</td>
<td>48/49</td>
<td>49/50</td>
<td>54/55</td>
</tr>
<tr>
<td>Running Current Rated (A)Clg/Htg</td>
<td>3.0/3.9</td>
<td>4.4/6.0</td>
<td>6.6/7.3</td>
</tr>
<tr>
<td>Power Use Rated/Max (kW): Cooling</td>
<td>0.6/1.40</td>
<td>0.9/1.45</td>
<td>1.5/2.15</td>
</tr>
<tr>
<td>Heating</td>
<td>0.85/1.80</td>
<td>1.3/2.00</td>
<td>1.67/2.60</td>
</tr>
<tr>
<td>Fan Speeds Stage</td>
<td>4 + Auto</td>
<td>4 + Auto</td>
<td>4 + Auto</td>
</tr>
<tr>
<td>Air Filter</td>
<td>Washable</td>
<td>Washable</td>
<td>Washable</td>
</tr>
<tr>
<td>Connection Method</td>
<td>Flare</td>
<td>Flare</td>
<td>Flare</td>
</tr>
<tr>
<td>Combined Min. Length Ft (m)</td>
<td>10 (3)</td>
<td>10 (3)</td>
<td>10 (3)</td>
</tr>
<tr>
<td>Combined Max. Length Ft (m)</td>
<td>66 (20) (pre-charge: 49')</td>
<td>66 (20) (pre-charge: 49')</td>
<td>66 (20) (pre-charge: 49')</td>
</tr>
<tr>
<td>Max. Vertical Diff. Ft (m)</td>
<td>49 (15)</td>
<td>49 (15)</td>
<td>49 (15)</td>
</tr>
<tr>
<td>Conn. Pipe Diameter Inch</td>
<td>suc 3/8 dis 1/4 suc 3/8 dis 1/4 suc 1/2 dis 1/4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indoor Unit Net Weight lbs. (kg)</td>
<td>41 (19)</td>
<td>41 (19)</td>
<td>50 (23)</td>
</tr>
<tr>
<td>Outdoor Unit Net Weight lbs. (kg)</td>
<td>84 (38)</td>
<td>84 (38)</td>
<td>86 (39)</td>
</tr>
<tr>
<td>Indoor Unit Dimensions: Height Inch (mm)</td>
<td>7-25/32 (198)</td>
<td>7-25/32 (198)</td>
<td>7-25/32 (198)</td>
</tr>
<tr>
<td>Width Inch (mm)</td>
<td>27-9/16 (700)</td>
<td>27-9/16 (700)</td>
<td>35-7/16 (900)</td>
</tr>
<tr>
<td>Depth Inch (mm)</td>
<td>24-13/32 (620)</td>
<td>24-13/32 (620)</td>
<td>24-13/32 (620)</td>
</tr>
<tr>
<td>Supply Duct Flange Dimensions: Height Inch (mm)</td>
<td>5-15/16 (151)</td>
<td>5-15/16 (151)</td>
<td>5-15/16 (151)</td>
</tr>
<tr>
<td>Width Inch (mm)</td>
<td>25-19/32 (650)</td>
<td>25-19/32 (650)</td>
<td>33-15/32 (850)</td>
</tr>
<tr>
<td>Depth Inch (mm)</td>
<td>3/4 (19)</td>
<td>3/4 (19)</td>
<td>3/4 (19)</td>
</tr>
<tr>
<td>Return Duct Dimensions: Height Inch (mm)</td>
<td>6 (152)</td>
<td>6 (152)</td>
<td>6 (152)</td>
</tr>
<tr>
<td>Width Inch (mm)</td>
<td>22 (559)</td>
<td>22 (559)</td>
<td>30 (762)</td>
</tr>
<tr>
<td>Depth Inch (mm)</td>
<td>3/4 (19) (Flat)</td>
<td>3/4 (19) (Flat)</td>
<td>3/4 (19) (Flat)</td>
</tr>
<tr>
<td>Outdoor Unit Dimensions: Height Inch (mm)</td>
<td>24-1/2 (620)</td>
<td>24-1/2 (620)</td>
<td>24-1/2 (620)</td>
</tr>
<tr>
<td>Width Inch (mm)</td>
<td>31-3/32 (790)</td>
<td>31-3/32 (790)</td>
<td>31-3/32 (790)</td>
</tr>
<tr>
<td>Depth Inch (mm)</td>
<td>11-11/32 (290)</td>
<td>11-11/32 (290)</td>
<td>11-11/32 (290)</td>
</tr>
<tr>
<td>Refrigerant</td>
<td>R410A</td>
<td>R410A</td>
<td>R410A</td>
</tr>
</tbody>
</table>

Note: Figures are based on 230 Volts.
Compact Cassette Single Zone 9, 12 and 18,000 BTU
SYSTEMS 9RLFCC, 12RLFCC, 18RLFCC

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

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

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

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

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

System Components

- **System 9RLFCC**
  - AUU9RLF (Indoor)
  - AOU9RLFC (Outdoor)

- **System 12RLFCC**
  - AUU12RLF (Indoor)
  - AOU12RLFC (Outdoor)

- **System 18RLFCC**
  - AUU18RLF (Indoor)
  - AOU18RLFC (Outdoor)

*Available only with optional wireless remote control.

**Requires Fujitsu’s Optional Fresh Air Kit part #UTZ-VXAA. Allows for a 4-inch flex duct connection. Requires a field supplied duct booster fan capable of 60 CFM at .2"W.C. or 90 CFM at .4"W.C. For fan static pressure requirements, see installation manual. Add hood, filter and duct losses for fan total static pressure requirements. Will add 4” to the height of the indoor unit.

^Operation monitoring and On/Off control only.
Easy Installation
Fits into a standard ceiling tile*.

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

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

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

---

<table>
<thead>
<tr>
<th>9RLFCC Heat Pump</th>
<th>12RLFCC Heat Pump</th>
<th>18RLFCC Heat Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Cooling BTU/h</td>
<td>Nominal Heating BTU/h</td>
<td>Nominal Heating BTU/h</td>
</tr>
<tr>
<td>9,000</td>
<td>12,000</td>
<td>18,000</td>
</tr>
<tr>
<td>3,100–12,000</td>
<td>3,100–13,600</td>
<td>3,100–20,100</td>
</tr>
<tr>
<td>12,000</td>
<td>16,000</td>
<td>21,600</td>
</tr>
<tr>
<td>13.0</td>
<td>12.2</td>
<td>11.5</td>
</tr>
<tr>
<td>EER Clg/Htg</td>
<td>SEER</td>
<td>HSPF</td>
</tr>
<tr>
<td>14.5/13.5</td>
<td>12.8/11.1</td>
<td>11.2/12.3</td>
</tr>
<tr>
<td>Cooling Operating Range °F(°C)</td>
<td>Heating Operating Range °F(°C)</td>
<td>Moisture Removal Pl/h(h)</td>
</tr>
<tr>
<td>-14<del>115 (-10</del>46)</td>
<td>-14<del>115 (-10</del>46)</td>
<td>-14<del>115 (-10</del>46)</td>
</tr>
<tr>
<td>3,100~12,000</td>
<td>3,100~13,600</td>
<td>3,100~20,100</td>
</tr>
<tr>
<td>1.3 (0.6)</td>
<td>2.5 (1.2)</td>
<td>4.6 (2.2)</td>
</tr>
</tbody>
</table>

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

Air Circ. C.F.M. (m³/h); Hi
- 318 (540)
- 359 (610)
- 400 (680)

MED: 288 (490)
- 312 (530)
- 341 (580)

Low
- 259 (440)
- 277 (470)
- 288 (490)

Quiet
- 230 (390)
- 241 (410)
- 241 (410)

Noise Level dB(A) Clg/Htg: Hi
- 33/34
- 37/37
- 40/44

Medium
- 32/32
- 33/33
- 36/40

Low
- 29/29
- 31/31
- 32/36

Quiet
- 28/27
- 28/28
- 28/30

Outdoor Fan Speed RPM Clg/Htg
- 48/49
- 49/50
- 54/55

Outdoor Noise Level Clg/Htg
- 590/720
- 870/780
- 1,050/1,000

Running Current Rated (A): Clg
- 3.0
- 4.4
- 7.1

Power Use Rated/Max (kW): Clg
- 0.62/1.40
- 0.94/1.45
- 1.61/2.15

Heating
- 0.89/1.80
- 1.44/2.00
- 1.76/2.60

Fan Speeds Stage
- 4+auto
- 4+auto
- 4+auto

Automatic
- Automatic
- Automatic

Air Filter
- Washable
- Washable
- Washable

UTG-CCGF
- UTG-CCGF
- UTG-CCGF

Flare
- Flare
- Flare

Front Grille
- Flare
- Flare
- Flare

Connection Method
Conn. Pipe Diameter Inch
- 66 (20)
- 66 (20)
- 66 (20)

Combined Min. Length Ft (m)
- (pre-charge 49')
- (pre-charge 49')
- (pre-charge 49')

Max. Vertical Diff. Ft (m)
- 66 (20)
- 66 (20)
- 66 (20)

Indoor Unit Net Weight lbs. (kg)
- 49 (15)
- 49 (15)
- 49 (15)

Outdoor Unit Net Weight lbs. (kg)
- 33 (15)
- 33 (15)
- 33 (15)

Indoor Unit Dim Height Inch (mm)
- 84 (38)
- 84 (38)
- 86 (39)

Width Inch (mm)
- 9-11/16 (245)
- 9-11/16 (245)
- 9-11/16 (245)

Depth Inch (mm)
- 22-7/16 (570)
- 22-7/16 (570)
- 22-7/16 (570)

Grille Dim Height Inch (mm)
- 1-15/16 (49)
- 1-15/16 (49)
- 1-15/16 (49)

Width Inch (mm)
- 27-9/16 (700)
- 27-9/16 (700)
- 27-9/16 (700)

Depth Inch (mm)
- 24-1/2 (620)
- 24-1/2 (620)
- 24-1/2 (620)

Outdoor Unit Dim Height Inch (mm)
- 31-3/32 (790)
- 31-3/32 (790)
- 31-3/32 (790)

Width Inch (mm)
- 11-11/32 (290)
- 11-11/32 (290)
- 11-11/32 (290)

Depth Inch (mm)
- 31-3/32 (790)
- 31-3/32 (790)
- 31-3/32 (790)

Refrigerant
- R410A
- R410A
- R410A

Note: Figures are based on 230 Volts.

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

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Inverter

Systems 9RLFCC, 12RLFCC

Most Efficient 2015

2015

R410A

R410A

R410A

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29
Ceiling Cassette Systems
SYSTEMS 18RCLX, 24RCLX, 36RCLX, 42RCLX

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

Standard Features

- Weekly Timer
- Dry Mode
- Auto Louver: Up/Down
- Auto Mode
- Energy Saver
- Auto Restart/Reset
- Auto Changeover
- 0°F Ambient Cooling
- Long Piping Length
- Cold Prevention
- Slender Fit
- Remote Temp. Sensor
- Daisy Chain
- Pump Down Operation
- High Ceiling Mode
- Branch Duct Capable
- Built-in Condensate Pump
- Fresh Air Intake*

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

Standard Wired Remote
- Weekly timer
- Set on-off time twice a day
- Set different on-off time by day
- Set time in 5 minute intervals
- Control up to 16 indoor units
- Child lock capable
- Remote temperature sensor

*Fresh air knockout available. Fresh air fan and ductwork field supplied. See design and technical manual for details. Fujitsu fresh air intake kit available part #KHRS940-25.
Fujitsu provides knock-outs on all ceiling cassettes where contractors can:

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

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<tbody>
<tr>
<td>18RCLX</td>
<td>17,800</td>
<td>22,200</td>
<td>34,100</td>
<td>42,700</td>
<td>42,700</td>
<td>8.5</td>
<td>8.5</td>
<td>16.0</td>
<td>11.1 ~ 10.2</td>
<td>5.3 (2.5)</td>
<td>208-230/60/1</td>
<td>20</td>
<td>559 (950)</td>
<td>477 (810)</td>
<td>394 (670)</td>
<td>5959 (150)</td>
<td>850/900</td>
<td>780/780</td>
<td>559/53</td>
<td>51/56</td>
<td>7.0/12.5</td>
<td>8.9/12.5</td>
<td>1.61/2.88</td>
<td>2.05/2.88</td>
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<td>Automatic</td>
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<tr>
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<td>36,000</td>
<td>45,200</td>
<td>45,200</td>
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<td>8.5</td>
<td>15.0</td>
<td>10.6/10.2</td>
<td>6.4 (3.0)</td>
<td>208-230/60/1</td>
<td>20</td>
<td>577 (970)</td>
<td>536 (890)</td>
<td>436 (740)</td>
<td>5770 (150)</td>
<td>850/900</td>
<td>780/780</td>
<td>53/55</td>
<td>51/56</td>
<td>9.2/14.6</td>
<td>10.6/14.6</td>
<td>4.22/4.35</td>
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<td>69,000</td>
<td>69,000</td>
<td>8.5</td>
<td>8.5</td>
<td>14.0</td>
<td>8.1/9.7</td>
<td>8.5 (4.0)</td>
<td>208-230/60/1</td>
<td>30</td>
<td>942 (1600)</td>
<td>824 (1460)</td>
<td>677 (1150)</td>
<td>9420 (1600)</td>
<td>900/900</td>
<td>900/900</td>
<td>59/55</td>
<td>51/56</td>
<td>13.7/21.5</td>
<td>10.6/21.5</td>
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<td>42,700</td>
<td>45,200</td>
<td>69,000</td>
<td>89,000</td>
<td>89,000</td>
<td>8.5</td>
<td>8.5</td>
<td>15.0</td>
<td>9.2/10.5</td>
<td>11.6 (5.5)</td>
<td>208-230/60/1</td>
<td>30</td>
<td>1330 (2380)</td>
<td>1110 (2060)</td>
<td>1110 (2060)</td>
<td>13300 (2380)</td>
<td>1150/1150</td>
<td>1150/1150</td>
<td>59/55</td>
<td>51/56</td>
<td>14.3/24.6</td>
<td>11.6/24.6</td>
<td>4.66/4.99</td>
<td>4.31/4.99</td>
<td>3 + Auto</td>
<td>Automatic</td>
</tr>
</tbody>
</table>
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
- Four combinations are ENERGY STAR® qualified
- Create over 56,000 combinations based on indoor type and BTU

**MULTI**
18, 24, 36,000 BTUs
- Connect 2 to 4 indoor units, depending on model
- Connect 14,000 to 39,000 BTU
- No branch boxes or separation tubes required

**XLI**
18, 24,000 BTUs
- Connect 2 to 3 indoor units, depending on model
- Connect 14,000 to 27,000 BTU
- eXtra Low Temp Heating down to -15°F outdoor temps
- No branch boxes or separation tubes required

**flex**
48,000 BTUs
- 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 systems are super quiet as well as highly energy efficient.

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

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

**AOU18RLXFZ, AOU18RLXFZH, AOU24RLXFZ, AOU24RLXFZH, AOU36RLXFZ1**

**Connectable Capacity**

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

HFI Series System 48,000 BTU/h

**AOU48RLXFZ1**

**130% Connectable Capacity**

The HFI system is rated at 48,000 BTUs but you can connect up to 130%, or 62,000 BTUs of rated indoor unit capacity to the AOU48RLXFZ1. Connectable capacity allows you to connect indoor units that 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 BTUs (38,000 BTUs downstairs and 24,000 BTUs upstairs) but the workers aren’t upstairs and downstairs at the same time, therefore not all units will be running simultaneously allowing 100% heating or cooling to occupied spaces.
Mix and Match Flexibility

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 Mounts

- ASU7, 9, 12RLF1
- ASU9, 12RLS2*
- ASU15RLS2*

* ASU9, 12, 15RLS2 are NOT compatible with AOU18/24RLXFZH or AOU36RLXFZ1.

Floor Mounts

- ASU18RLF
- ASU24RLF

Slim Ducts

- ARU7, 9, 12RLF
- ARU18RLF
- ARU24RLF

Separation Tubes, Branch Boxes

- UTP-SX248A
- UTP-PU03A, UTP-PU03B

Compact Cassettes

- AUU7, 9, 12RLF
- AUU18RLF
Individual Zoning: Personalized Whole Home Comfort

Wall Mounted

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

Slim Duct

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

Compact Cassette

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

Floor Mounted

Floor mount systems are ideal for residential radiator replacements or any room with limited upper wall space, like a kitchen or sunroom.
- Compact size fits easily under a standard window
- Features twin airflow for improved heat delivery
- Designer wireless remote control
### Wall Mounted 7, 9, 12, 18 and 24,000 BTUs

**ASU7RLF1, ASU9RLF1, ASU9RLS2, ASU12RLF1, ASU12RLS2, ASU15RLS2, ASU18RLF, ASU24RLF**

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Cooling BTU/h</th>
<th>Nominal Heating BTU/h</th>
<th>Voltage/Frequency/Phase</th>
<th>Air Circ. C.F.M. (m³/h): Hi</th>
<th>Air Circ. C.F.M. (m³/h): Medium</th>
<th>Air Circ. C.F.M. (m³/h): Low</th>
<th>Air Circ. C.F.M. (m³/h): Quiet</th>
<th>Noise Level dBA (C/HzG): Hi</th>
<th>Medium</th>
<th>Low</th>
<th>Quiet</th>
<th>Running Current Rated (A): Cooling</th>
<th>Heating</th>
<th>Power Use Rated (w): Cig</th>
<th>Htg</th>
<th>Clg</th>
<th>Fan Speeds Stage</th>
<th>Air Direction: Horizontal</th>
<th>Vertical</th>
<th>Primary Air Filter</th>
<th>Ion Deodorizing Filter</th>
<th>Apple-Catechin Filter</th>
<th>Connection Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASU7, 9, 12RLF1</td>
<td>7,000</td>
<td>9,000</td>
<td>12,000</td>
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<tr>
<td>ASU18, 24RLF</td>
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<tr>
<td>ASU9, 12, 15RLS2*</td>
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<td>13,500</td>
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<td>27,000</td>
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<td>Auto</td>
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**Built In Filtration**

- **Long-life· Ion Deodorization Filter**: The filter deodorizers by powerfully decomposing absorbed odors using the oxidizing and reducing effects of ions generated by the ultra-fine-particle ceramic.

- **Apple-Catechin Filter**: Dust, mold spores and micro-organisms are absorbed onto the filter by static electricity and growth is inhibited and deactivated.

**Standard Features**

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

*ESP feature not compatible in multi-zone configurations. *ASU9,12,15RLS2 are NOT compatible with AOU18/24RLXFZH or AOU36RLXFZ1. *Height when front panel is open.

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

**Feature of models ASU18, 24RLF only.
### Slim Duct 7, 9, 12, 18 and 24,000 BTUs

**ARU7RLF, 9RLF, ARU12RLF, ARU18RLF, ARU24RLF**

**ARU7, 9, 12RLF**  
**ARU18RLF**  
**ARU24RLF**

#### Flexible Installation

Horizontal or vertical*.

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

#### Slim Duct

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

#### Traditional

<table>
<thead>
<tr>
<th>Duct Width</th>
<th>Duct Depth</th>
<th>Drain Pump</th>
</tr>
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<tbody>
<tr>
<td>13&quot;</td>
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</table>

#### Slim Duct

<table>
<thead>
<tr>
<th>Duct Width</th>
<th>Duct Depth</th>
<th>Drain Pump</th>
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</thead>
<tbody>
<tr>
<td>9.4&quot;</td>
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</tr>
</tbody>
</table>

#### Standard Features

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

*Available only with optional wireless remote control.

#### Field Supplied Filters

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

<table>
<thead>
<tr>
<th>ARU7RLF</th>
<th>ARU9RLF</th>
<th>ARU12RLF</th>
<th>ARU18RLF</th>
<th>ARU24RLF</th>
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<tbody>
<tr>
<td>CFM</td>
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<td>353</td>
<td>383</td>
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<td>785</td>
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<td>12 x 20</td>
<td>14 x 25</td>
<td>18 x 30</td>
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<td>16</td>
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<td>0.29</td>
<td>0.28</td>
<td>0.28</td>
<td>0.13</td>
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**Nominal Cooling BTU/h**

**Nominal Heating BTU/h**

**Voltage/Frequency/Phase**

**Static Pressure In. W. C.**

**Air Circ. C.F.M. (m³/h) Clg/Htg: Hi Medium Low Quiet**

**Running Current Rated (A):**

**Power Use Rated (W):**

**Fan Speeds Stage**

**Air Filter**

**Connection Method**

**Net Weight lbs. (kg)**

**Dimensions: Height (mm)**

**Width (mm)**

**Depth (mm)**

**Supply Duct Flange**

**Dimensions: Height (inch)**

**Width (inch)**

**Depth (inch)**

**Return Duct Dimensions: Height (inch)**

**Width (inch)**

**Depth (inch)**

**Refrigerant**
Compact Cassettes 7, 9, 12, and 18,000 BTUs
AUU9RLF, AUU12RLF, AUU18RLF

**Easy Installation**
Fits into a standard ceiling tile*.

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

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

Heat exchange efficiency: Increased 20%

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

**Nominal Cooling BTU/h**
AUU7RLF: 7,000
AUU9RLF: 9,000
AUU12RLF: 12,000
AUU18RLF: 18,000

**Nominal Heating BTU/h**
AUU7RLF: 8,100
AUU9RLF: 10,200
AUU12RLF: 13,500
AUU18RLF: 20,000

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

**Air Circ. C.F.M. (m³/h): Hi**
Medium Low Quiet
AUU7RLF: 318 (540) 288 (490) 259 (440) 230 (390)
AUU9RLF: 318 (540) 288 (490) 259 (440) 230 (390)
AUU12RLF: 359 (610) 312 (530) 277 (470) 241 (410)
AUU18RLF: 441 (750) 394 (680) 353 (600) 312 (530)

**Noise Level dB(A) Clg/Htg: Hi**
Medium Low Quiet
AUU7RLF: 33/34 31/32 29/32 27/32
AUU9RLF: 33/34 31/32 29/32 27/32
AUU12RLF: 37/37 33/33 31/31 29/31
AUU18RLF: 42/44 39/39 37/37 35/35

**Running Current Rated (A): Cooling**
18

**Running Current Rated (A): Heating**
18

**Power Use Rated/Max (W): Clg**
4+auto 4+auto 4+auto 4+auto

**Power Use Rated/Max (W): Htg**
4+auto 4+auto 4+auto 4+auto

**Fan Speeds Stage**
1-stage 2-stage

**Air Direction: Vertical**
Automatic Automatic Automatic Automatic

**Air Filter**
Washable Washable Washable Washable

**Front Grille**
Flare Flare Flare Flare

**Connection Method**
Conn. Pipe Diameter Inch
AUU7RLF: 33 (15) 33 (15) 33 (15) 33 (15)
AUU9RLF: 33 (15) 33 (15) 33 (15) 33 (15)
AUU12RLF: 33 (15) 33 (15) 33 (15) 33 (15)
AUU18RLF: 33 (15) 33 (15) 33 (15) 33 (15)

**Net Weight lbs. (kg)**
AUU7RLF: 22.5” 22.5”

**Chassis Dim: Height Inch (mm)**
9-11/16 (245) 9-11/16 (245) 9-11/16 (245) 9-11/16 (245)

**Width Inch (mm)**
22-7/16 (570) 22-7/16 (570) 22-7/16 (570) 22-7/16 (570)

**Depth Inch (mm)**
1-15/16 (49) 1-15/16 (49) 1-15/16 (49) 1-15/16 (49)

**Grille Dim: Height Inch (mm)**
27-9/16 (700) 27-9/16 (700) 27-9/16 (700) 27-9/16 (700)

**Width Inch (mm)**
27-9/16 (700) 27-9/16 (700) 27-9/16 (700) 27-9/16 (700)

**Depth Inch (mm)**
27-9/16 (700) 27-9/16 (700) 27-9/16 (700) 27-9/16 (700)

**Refrigerant**
R410A R410A R410A R410A

+ Available only with optional wireless remote control.
**Requires Fujitsu’s Optional Fresh Air Kit part #UTZ-VXAA. Allows for a 4-inch flex duct connection and a field supplied duct booster fan. Fresh air maximum is 10% of unit High fan CFM. See UTZ-VXAA Design and Technical Manual for fan static pressure requirements at Fresh Air Kit. Add hood, filter and duct losses for fan total static pressure requirements. Will add 4” to the height of the indoor unit.

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

**Fresh Air Kit**
**UTZ-VXAA**
Mixes room air then passes through the heat exchanger.
**Floor Mount 9, 12, and 15,000 BTUs**

**AGU9RLF, AGU12RLF, AGU15RLF**

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

Flexible and Easy Installation
Beneath standard window
Standard concave portion

Wall
Half concealed*

*Field supplied parts required

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

**Nominal Cooling BTU/h**
- AGU9RLF: 9,000
- AGU12RLF: 12,000
- AGU15RLF: 14,200

**Nominal Heating BTU/h**
- AGU9RLF: 12,000
- AGU12RLF: 16,000
- AGU15RLF: 18,000

**Voltage/Frequency/Phase**
- AGU9RLF: 208-230/60/1
- AGU12RLF: 208-230/60/1
- AGU15RLF: 208-230/60/1

**Air Circ. C.F.M. (m³/h): Hi**
- AGU9RLF: 312 (530)
- AGU12RLF: 353 (600)
- AGU15RLF: 383 (650)

**Medium**
- AGU9RLF: 259 (440)
- AGU12RLF: 288 (490)
- AGU15RLF: 306 (520)

**Low**
- AGU9RLF: 212 (360)
- AGU12RLF: 224 (380)
- AGU15RLF: 235 (400)

**Quiet**
- AGU9RLF: 159 (270)
- AGU12RLF: 159 (270)
- AGU15RLF: 159 (270)

**Noise Level dB(A)Clg/Htg: Hi**
- AGU9RLF: 39/39
- AGU12RLF: 42/42
- AGU15RLF: 44/44

**Medium**
- AGU9RLF: 34/34
- AGU12RLF: 36/38
- AGU15RLF: 38/39

**Low**
- AGU9RLF: 28/28
- AGU12RLF: 30/32
- AGU15RLF: 31/33

**Quiet**
- AGU9RLF: 22/22
- AGU12RLF: 22/22
- AGU15RLF: 22/22

**Running Current Rated (A): Cooling**
- AGU9RLF: 0.15
- AGU12RLF: 0.18
- AGU15RLF: 0.20

**Heating**
- AGU9RLF: 0.15
- AGU12RLF: 0.18
- AGU15RLF: 0.20

**Power Use Rated (W): Cooling**
- AGU9RLF: 16
- AGU12RLF: 18
- AGU15RLF: 23

**Heating**
- AGU9RLF: 16
- AGU12RLF: 18
- AGU15RLF: 23

**Fan Speeds Stage**
- AGU9RLF: 4+Auto
- AGU12RLF: 4+Auto
- AGU15RLF: 4+Auto

**Air Direction:**
- Horizontal
- Manual
- Manual
- Manual

**Vertical**
- Auto
- Auto
- Auto

**Air Filter**
- Washable
- Washable
- Washable

**Apple Catechin Filter**
- Yes
- Yes
- Yes

**Ion Deodorizing Filter**
- Yes
- Yes
- Yes

**Connection Method**
- Flare
- Flare
- Flare

**Conn. Pipe Diameter Inch**
- Suc. 3/8 Dis. 1/4
- suc. 3/8 Dis. 1/4
- Suc. 1/2 Dis. 1/4
- AGU9RLF: 31 (14)
- AGU12RLF: 31 (14)
- AGU15RLF: 31 (14)

**Net Weight lbs. (kg)**
- AGU9RLF: 600 lbs. (272 kg)
- AGU12RLF: 600 lbs. (272 kg)
- AGU15RLF: 600 lbs. (272 kg)

**Dimensions:**
- Height Inch mm
  - AGU9RLF: 23-5/8 600
  - AGU12RLF: 23-5/8 600
  - AGU15RLF: 23-5/8 600

- Width Inch mm
  - AGU9RLF: 29-1/8 740
  - AGU12RLF: 29-1/8 740
  - AGU15RLF: 29-1/8 740

- Depth Inch mm
  - AGU9RLF: 7-7/8 200
  - AGU12RLF: 7-7/8 200
  - AGU15RLF: 7-7/8 200

**Refrigerant**
- AGU9RLF: R410A
- AGU12RLF: R410A
- AGU15RLF: R410A
Multi-Zone Series
AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ1

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

- Connect 2 to 4 indoor units, depending on model
- Connect 14,000 to 39,000 BTU
- Energy efficient - up to 18.0 SEER and 9.5 HSPF
- No branch boxes or separation tubes

Fujitsu Multi-Zones Make Sense

- **Why Choose an 18,000 BTU Zoned System?**
  A lower BTU dual zone is often the perfect solution to a comfort need. A consumer shouldn’t have to purchase a higher priced larger unit when only 14 to 18,000 BTU’s are needed.

- **A Tri-Zone 24,000 BTU Unit**
  Fujitsu offers a 2-ton system that provides 2 or 3-zone flexibility. By using connectable capacity, this system allows up to three 9,000 BTU units.

- **Pricing Compared to Competition**
  Additional outdoor units provides better matched BTU capacity with indoor units. By better matching the outdoor unit to the indoor capacity a better system value is achieved.
Compact Size
The compact size of the outdoor units allows for many installation opportunities.

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

Nominal Capacities, SEER and HSPF Ratings
Data below is based on AHRI 210/240 non-ducted wall mounted models.

<table>
<thead>
<tr>
<th>Model</th>
<th>Indoor Unit</th>
<th>Capacity Btu/h</th>
<th>EER</th>
<th>SEER</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></td>
<td>Type</td>
<td>Combination</td>
<td>35 F</td>
<td></td>
<td>47 F</td>
<td>17 F</td>
<td>17 F</td>
<td>5 F</td>
</tr>
<tr>
<td>AOU18RLXFZ</td>
<td>Non-Ducted</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>13,900</td>
</tr>
<tr>
<td></td>
<td>Ducted</td>
<td>9+9</td>
<td>18,000</td>
<td>12.1</td>
<td>18.0</td>
<td>22,000</td>
<td>13,900</td>
<td>13,900</td>
</tr>
<tr>
<td></td>
<td>Mixed</td>
<td>9+9</td>
<td>18,000</td>
<td>12.3</td>
<td>17.0</td>
<td>22,000</td>
<td>13,900</td>
<td>13,900</td>
</tr>
<tr>
<td></td>
<td>Specific</td>
<td>ASU7+ASU12</td>
<td>18,000</td>
<td>12.5</td>
<td>18.0</td>
<td>22,000</td>
<td>13,900</td>
<td>13,900</td>
</tr>
<tr>
<td>AOU24RLXFZ</td>
<td>Non-Ducted</td>
<td>9+7+7</td>
<td>22,000</td>
<td>12.5</td>
<td>18.0</td>
<td>24,000</td>
<td>14,100</td>
<td>19,800</td>
</tr>
<tr>
<td></td>
<td>Ducted</td>
<td>9+7+7</td>
<td>22,000</td>
<td>10.6</td>
<td>15.5</td>
<td>24,000</td>
<td>14,100</td>
<td>19,800</td>
</tr>
<tr>
<td></td>
<td>Mixed</td>
<td>9+7+7</td>
<td>22,000</td>
<td>11.6</td>
<td>16.8</td>
<td>24,000</td>
<td>14,100</td>
<td>19,800</td>
</tr>
<tr>
<td>AOU36RLXFZ1</td>
<td>Non-Ducted</td>
<td>9+9+9+9</td>
<td>35,200</td>
<td>10.0</td>
<td>18.0</td>
<td>24,000</td>
<td>22,000</td>
<td>32,500</td>
</tr>
<tr>
<td></td>
<td>Ducted</td>
<td>9+9+9+9</td>
<td>35,200</td>
<td>9.0</td>
<td>16.0</td>
<td>24,000</td>
<td>22,000</td>
<td>32,500</td>
</tr>
<tr>
<td></td>
<td>Mixed</td>
<td>9+9+9+9</td>
<td>35,200</td>
<td>9.5</td>
<td>17.0</td>
<td>24,000</td>
<td>22,000</td>
<td>32,500</td>
</tr>
</tbody>
</table>

Yellow rows represent models that are ENERGY STAR® qualified.
Extra Low Temperature Heating Series (XLTH)  
AOU18RLXFZH, AOU24RLXFZH

18, 24,000 BTUs

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

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

- Connect 2 to 3 indoor units, depending on model
- Connect 14,000 to 27,000 BTU
- eXtra Low Temp Heating down to -15°F outdoor temperatures
- Energy efficient - up to 21.5 SEER and 10.3 HSPF
- No branch boxes or separation tubes

The XLTH Difference

<table>
<thead>
<tr>
<th>Fujitsu XLTH</th>
<th>Model Without Base Heater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base</td>
<td></td>
</tr>
<tr>
<td>Drain Hole</td>
<td></td>
</tr>
</tbody>
</table>

Drain hole is not filled, no freezing of base  Freezing where there is no heater

Condition: Indoor temp. of 68°FDB / outdoor temp. of 5°FDB, Heating mode, High airflow volume. Operation for 24 hours.
### Ambient Heating Temperature of -15°F

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

The base of Fujitsu’s XLTH outdoor condensing units.

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

### Improved Heating Capacity

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

### Nominal Capacities, SEER and HSPF Ratings

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

<table>
<thead>
<tr>
<th>Model</th>
<th>Indoor Unit</th>
<th>Cooling Capacity Btu/h</th>
<th>EER</th>
<th>SEER</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></td>
<td>Type</td>
<td></td>
<td></td>
<td></td>
<td>47°F</td>
<td>17°F</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Non-Ducted</td>
<td>9+9</td>
<td>18,000</td>
<td>13.5</td>
<td>21.5</td>
<td>22,000</td>
<td>23,600</td>
<td>22,000</td>
</tr>
<tr>
<td></td>
<td>Ducted</td>
<td>9+9</td>
<td>18,000</td>
<td>12.4</td>
<td>19.0</td>
<td>22,000</td>
<td>23,600</td>
<td>22,000</td>
</tr>
<tr>
<td></td>
<td>Mixed</td>
<td>9+9</td>
<td>18,000</td>
<td>13.0</td>
<td>20.3</td>
<td>22,000</td>
<td>23,600</td>
<td>22,000</td>
</tr>
<tr>
<td></td>
<td>Non-Ducted</td>
<td>9+7+7</td>
<td>22,000</td>
<td>13.3</td>
<td>20.0</td>
<td>25,000</td>
<td>26,400</td>
<td>25,000</td>
</tr>
<tr>
<td></td>
<td>Ducted</td>
<td>9+7+7</td>
<td>22,000</td>
<td>12.1</td>
<td>18.0</td>
<td>25,000</td>
<td>26,400</td>
<td>25,000</td>
</tr>
<tr>
<td></td>
<td>Mixed</td>
<td>9+7+7</td>
<td>22,000</td>
<td>12.7</td>
<td>19.0</td>
<td>25,000</td>
<td>26,400</td>
<td>25,000</td>
</tr>
</tbody>
</table>

Yellow rows represent models that are ENERGY STAR® qualified.
Hybrid Flex Inverter Series (HFI)
AOU48RLXFZ1

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

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

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

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

- Connect 2 to 8 indoor units
- 80 to 130% connectable capacity
- Connect 39,000 to 62,000 BTU
- Branch boxes and separation tubes are REQUIRED
**Flex Zone Outdoor Unit 48,000 BTUs**

**AOU48RLXFZ1**

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

**Compact Size**

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

**Self Diagnostic Feature**

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

**Piping Flexibility**

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

**DC Twin Rotary Compressor**

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

---

### Connectable Indoor Unit

<table>
<thead>
<tr>
<th>Number</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 to 8</td>
<td>80 to 130% Nominal (39,000 - 62,000 BTU)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connectable Branch Box Number</th>
<th>Nominal Cooling BTU/h</th>
<th>Max Cooling BTU/h</th>
<th>Nominal Heating BTU/h</th>
<th>Low Temp. Heating 17°F BTU/h</th>
<th>Max Heating BTU/h</th>
<th>Clg. Operating Range °F(°C)</th>
<th>Htg. Operating Range °F(°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 3</td>
<td>48,000</td>
<td>51,100</td>
<td>54,000</td>
<td>40,000</td>
<td>57,000</td>
<td>23-115 (-5-46)</td>
<td>5-75 (-15-24)</td>
</tr>
<tr>
<td>80 to 130% connectable capacity</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5.52 / 5.19 / 5.35</td>
<td>5.02 / 4.89 / 4.96</td>
</tr>
</tbody>
</table>

### Voltage/Frequency/Phase

- 208-230/60/1
- 24.5 / 23.0 / 23.7
- 22.3 / 21.7 / 22.0

### Current: Clg Outdoor Max. (A)

- 890/910
- Propeller x 1

### Current: Htg Outdoor Max. (A)

- 111

### MAX.CRT.BKR (A)

- 56

### Sound Pressure Level Cooling dB(A)

- 377 (115)

### Sound Pressure Level Heating dB(A)

- 49 (15)

### Max. Pipe Length Total Ft (m)

- 98 (30)

### Max. Pipe Height Difference Between Outdoor Unit & Farthest Indoor Unit Ft (m)

- 98 (30)

### Connection Method

- Flare

### Conn. Pipe Diameter Inch

- 3/8 (Liq.) 5/8 (Succ.)

### Net Weight lbs. (kg)

- 216 (98)

### Dimensions: Height Inch mm

- 36 / 914

### Width Inch mm

- 38-1/4 / 970

### Depth Inch mm

- 14-5/8 / 370

### Refrigerant

- R410A

### SEER

- 14.7

### HSPF

- 9.3

### EER**

- 8.7

| Ducted | 17.0 | 9.8 | 9.25 |

| Non-Ducted | 15.8 | 9.5 | 8.97 |

**Cooling**
Branch Boxes
UTP-PU03A, UTP-PU03B

<table>
<thead>
<tr>
<th>Connectable Indoor Unit</th>
<th>UTP-PU03A</th>
<th>UTP-PU03B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Combination BTU/h</td>
<td>62,000 Nom.*</td>
<td>62,000 Nom.*</td>
</tr>
<tr>
<td>Min. Combination BTU/h</td>
<td>7,000 Nom.*</td>
<td>7,000 Nom.*</td>
</tr>
<tr>
<td>Clg. Operating Range °F(°C)</td>
<td>25-115 (-5-46)</td>
<td>25-115 (-5-46)</td>
</tr>
<tr>
<td>Htg. Operating Range °F(°C)</td>
<td>5-75 (-15-24)</td>
<td>5-75 (-15-24)</td>
</tr>
<tr>
<td>%RH</td>
<td>80 or less</td>
<td>80 or less</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Voltage/Frequency/Phase</th>
<th>Maximum Current Ampacity (A)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary</td>
<td>0.050</td>
<td>0.050</td>
</tr>
<tr>
<td>Heating</td>
<td>0.050</td>
<td>0.050</td>
</tr>
<tr>
<td>Secondary</td>
<td>1.000</td>
<td>1.000</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Power Use Rated (W)</th>
<th>Primary</th>
<th>Secondary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Heating</td>
<td>10</td>
<td>10</td>
</tr>
</tbody>
</table>

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

Dimensions: Gross (Flare to Flare):
- Height x Width x Depth

<table>
<thead>
<tr>
<th>UTP-PU03A</th>
<th>UTP-PU03B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary</td>
<td>Secondary</td>
</tr>
<tr>
<td>7-5/8 x 33 x 14-5/8</td>
<td>7-5/8 x 33 x 14-5/8</td>
</tr>
<tr>
<td>195 x 838 x 370</td>
<td>195 x 838 x 370</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Dimensions in. (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net (HxWxD)</td>
</tr>
<tr>
<td>Gross (HxWxD)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight lbs. (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Branch Box cover only</td>
</tr>
<tr>
<td>Net Branch Box + Cover</td>
</tr>
<tr>
<td>Gross</td>
</tr>
</tbody>
</table>

Separation Tube Assembly Kit
UTP-SX248A

<table>
<thead>
<tr>
<th>Size</th>
<th>Liquid Inch</th>
<th>Suction Inch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3/8 x 3/8 x 3/8</td>
<td>5/8 x 5/8 x 5/8</td>
</tr>
</tbody>
</table>
Piping

Separation Tube Assembly Kit

Branch Box

Branch Box

Branch Box

Outdoor Unit

Liquid pipe 3/8 inch
Gas pipe 5/8 inch
Liquid pipe 1/4 inch
Gas pipe 3/8", 1/2", or 5/8"
based on indoor unit size
Flare connections

*Branch box outlets are all 1/2" on gas pipe connections. 1/2" to 3/8" adaptors and 1/2" to 5/8" adaptors included (3 of each).

<table>
<thead>
<tr>
<th>Pipe Diameter</th>
<th>Location</th>
<th>Additional Refrigerant</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/8&quot;</td>
<td>Outdoor to Branch Box</td>
<td>0.624 oz./ft. or 58g/meter</td>
</tr>
<tr>
<td>1/4&quot;</td>
<td>Branch Box to Indoor Unit</td>
<td>0.224 oz./ft. or 21g/meter</td>
</tr>
</tbody>
</table>

Factory Charge 7.6 lb (3.45 kg)
Unit pre-charged to 0 feet

Calculate Refrigerant Charge

<table>
<thead>
<tr>
<th>Branch Box to Indoor</th>
</tr>
</thead>
<tbody>
<tr>
<td>7,000 BTU</td>
</tr>
<tr>
<td>9,000 BTU</td>
</tr>
<tr>
<td>12,000 BTU</td>
</tr>
<tr>
<td>18,000 BTU</td>
</tr>
<tr>
<td>24,000 BTU</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Liquid pipe</th>
<th>Adaptor</th>
<th>Gas pipe</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/4 inch</td>
<td>included</td>
<td>3/8 inch</td>
</tr>
<tr>
<td>n/a</td>
<td>1/2 inch</td>
<td></td>
</tr>
<tr>
<td>included</td>
<td>5/8 inch</td>
<td></td>
</tr>
</tbody>
</table>

Total Pipe Length

377’ max.**

Total liquid pipe or total gas pipe.

Height difference between outdoor and indoor units

98’ max.

Max. piping length between outdoor unit and farthest branch box

180’ max.

Height difference between branch boxes

49’ max.

Branch Box

Pipe length between branch box and indoor unit

10’ min. 49’ max.

Height difference between indoor and indoor units

49’ max.

16’ min.

Actual pipe length 230’ max.*

1’ min.

17’ min.

Distance between outdoor unit & farthest indoor unit.

* Distance between outdoor unit & farthest indoor unit.

** Total liquid pipe or total gas pipe.
MULTI ZONE MINI-SPLITS

- Cassette
- Separation Tubes
- Branch Boxes
- Floor Mount
Cool or heat one room, a few rooms or an entire home.

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

For AOU18RLXFZ, AOU18RLXFZH, AOU24RLXFZ, AOU24RLXFZH, AOU36RLXFZ1

#### BTU Capacity

<table>
<thead>
<tr>
<th>Rooms</th>
<th>2 ROOMS</th>
<th>3 ROOMS</th>
<th>4 ROOMS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7,000</td>
<td>9,000</td>
<td>12,000</td>
</tr>
<tr>
<td>7,9,12</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

#### Example Combinations

<table>
<thead>
<tr>
<th>7,9,12</th>
<th>15,18,21</th>
</tr>
</thead>
<tbody>
<tr>
<td>12,15</td>
<td>15,18</td>
</tr>
</tbody>
</table>

---

**Notes:**
- ASU9,12,15RLS2 are NOT compatible with AOU18/24RLXFZ or AOU36RLXFZ1.
- The optional kit “K9FZ1818 (UTP-MU36A2)” is necessary for dual zone system “18+18”.
- Wall mounted type ASU18RLF cannot be connected in this combination.
- "*" represents available circuit for future expansion when connecting this combination.

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50
ACCESSORIES

Remote Controls

Wired Remote Controller

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

Wired Remote Controller

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

Simple Remote Controller

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

Wireless Remote Controller

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

Central Remote Controller

UTY-DMNUM  
This remote controls up to 8 individual indoor units. Set temperatures on timers to best meet individuals’ needs. Includes a large backlit LCD and 4-way navigation pad. Remote connects in daisy chain to branch boxes. Used with AOU48RLXFZ1 only.

Remote Sensor

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

Receiver Unit

UTY-LRNUM  
For slim duct models. Includes a wireless remote control.

Interface Kits

Dry Contact Wire Kit

UTY-XWZX/UTY-XWZXZ5  
Turns system on or off using a normally open circuit. For example in home automation, BMS integration of only On/Off operation, occupancy sensor, key card switch, or lead-lag control of other heating/cooling devices.

Interface Kit

UTY-XCBXZ2  
Required to connect ASU7RLF1, 9RLF1, and 12RLF1 to Wired Remote UTY-RNNUM, Dry Contact Wire Kit UTY-XWZX, and Simple Remote Control UTY-RSNUM.

Interface Kit

UTY-TWBFX1  
Required to connect the ASU9, 12, 15RLS2/H+ and ASU9, 12, 15RLS3/H to Wired Remotes UTY-RNNUM and UTY-RVNUM, Dry Contact Wire Kit UTY-XWZXZ5, and Simple Remote Control UTY-RSNUM.

Slim Duct Connector Kit

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

Outdoor Unit Input/Output Connector

UTY-XWZXZ3  
Gives the ability to limit the noise of the unit*, stop the outdoor unit, limit power consumption*, control the operating mode (Heat/Cool), or use output status to see if the compressor is running. You will need to order a kit for each option.

*Will reduce capacity.

Outdoor Unit Base Heater Connector

UTY-XWZXZ4  
Used to hook up an AUX base pan heater to the outdoor unit. Heater will stop ice from forming in the outdoor unit. Base heater will operate when outdoor temperature is below 36°F. Heater is field supply. Heaters greater than 25W can’t be fed directly from the board, but have to be powered from another source.

Fresh Air Intake Kits

High Humidity Insulation Kit

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

Air Outlet Shutter Plate

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

Fresh Air Intake Kit

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

Fresh Air Intake Kit

KHRS940-25  
Kit contains current sensor with built-in relay (Split Core Fixed Threshold Current Status Sensor with Command Relay) and Switching Power Supply. Duct and Fan are field supply. A fan capable of generating 15 CFM at a static pressure of approximately .26 inches W.C. required.

^ Minimum Heat, Sleep Timer functions will be lost when the wired remote controller is installed.
* Wall mounted ASU7, 9, and 12RLF1 require accessory interface kit (Part UTY-XCBXZ2) in order to connect this device to them. Wall mounted ASU9, 12, and 15RLS3/H require accessory interface kit (Part UTY-TWBFX1) in order to connect this device to them.
### Compatibility

<table>
<thead>
<tr>
<th>Remote Controls</th>
<th>Single Zone Wall Mounted</th>
<th>Single Zone Ducted</th>
<th>Single Zone Cassette</th>
<th>Universal Ceiling Suspended</th>
<th>Floor Mount</th>
<th>Large Cassette</th>
<th>HFI Multi-Zone and Flex-Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTY-RNBYU</td>
<td>Wired Remote Control</td>
<td></td>
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<tr>
<td>UTY-RNNUM</td>
<td>Wired Remote Control</td>
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<tr>
<td>UTY-RVNUM</td>
<td>Wired Remote Control</td>
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<td>UTY-RSNUM</td>
<td>Simple Remote Control</td>
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<tr>
<td>UTY-LNNUM</td>
<td>Wireless Remote Control</td>
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<tr>
<td>UTY-DMMUM</td>
<td>Central Remote Control</td>
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<tr>
<td>UTY-XSZX</td>
<td>Receiver Unit</td>
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#### Interface Kits

<table>
<thead>
<tr>
<th>Interface Kits</th>
<th>Single Zone Wall Mounted</th>
<th>Single Zone Ducted</th>
<th>Single Zone Cassette</th>
<th>Universal Ceiling Suspended</th>
<th>Floor Mount</th>
<th>Large Cassette</th>
<th>HFI Multi-Zone and Flex-Zone</th>
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</thead>
<tbody>
<tr>
<td>UTY-XWZX</td>
<td>Dry Contact Wire Kit</td>
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<tr>
<td>UTY-XWZXZ5</td>
<td>Dry Contact Wire Kit</td>
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<tr>
<td>UTY-XCBXZ2</td>
<td>Interface Kit</td>
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<tr>
<td>UTY-TWBXF1</td>
<td>Interface Kit</td>
<td></td>
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<tr>
<td>UTD-ECSSA</td>
<td>Slim Duct Connector Kit</td>
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<tr>
<td>UTY-XWZXZ3</td>
<td>Outdoor Unit Input/Output Connector</td>
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<tr>
<td>UTY-XWZXZ4</td>
<td>Outdoor Unit Base Heater Connector</td>
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#### Fresh Air Intake Kits

<table>
<thead>
<tr>
<th>Fresh Air Intake Kits</th>
<th>Single Zone Wall Mounted</th>
<th>Single Zone Ducted</th>
<th>Single Zone Cassette</th>
<th>Universal Ceiling Suspended</th>
<th>Floor Mount</th>
<th>Large Cassette</th>
<th>HFI Multi-Zone and Flex-Zone</th>
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</thead>
<tbody>
<tr>
<td>UTZ-KXGC</td>
<td>High Humidity Insulation Kit</td>
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<tr>
<td>UTR-YDZB</td>
<td>Air Outlet Shutter Plate</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>UTY-VXAA</td>
<td>Fresh Air Intake Kit</td>
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<tr>
<td>KHRS940-25</td>
<td>Fresh Air Intake</td>
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#### Miscellaneous

<table>
<thead>
<tr>
<th>Miscellaneous</th>
<th>Single Zone Wall Mounted</th>
<th>Single Zone Ducted</th>
<th>Single Zone Cassette</th>
<th>Universal Ceiling Suspended</th>
<th>Floor Mount</th>
<th>Large Cassette</th>
<th>HFI Multi-Zone and Flex-Zone</th>
</tr>
</thead>
<tbody>
<tr>
<td>K3PST</td>
<td>3-Pole Single Throw Safety Switch</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>K9R410A55</td>
<td>R410A Swivel Adapter</td>
<td></td>
<td></td>
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<tr>
<td>UTR-DPB24T</td>
<td>Condensate Pump</td>
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<tr>
<td>UTD-GXSA-W</td>
<td>Auto Louver Grille Kit</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>UTD-GXSB-W</td>
<td>Auto Louver Grille Kit</td>
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<td></td>
</tr>
<tr>
<td>UTD-GXSC-W</td>
<td>Auto Louver Grille Kit</td>
<td></td>
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</tr>
</tbody>
</table>

1. If using UTY-RNBYU with these models you need to change the dip switch SW-1 to “ON”. Refer to Tech Tip #028.
2. Wall mounted ASU9, 12, and 15RL52/RLS3H and ASU9, 12, and 15RL53/RLS3H require accessory interface kit #UTY-TWBXF1 in order to connect these devices to them.
3. Wall mounted ASU7, 9, and 12RLF1 require accessory interface kit #UTY-XCBXZ2 in order to connect these devices to them.
4. Only multi-zone models greater than specific serial numbers are compatible with UTY-RVNUM. See Service Bulletin 0031 for serial number compatibility.

* + ASU9,12,15RLS2 are NOT compatible with AOU18/24RLXFZ/H or AOU36RLXFZ1.
**Fujitsu Model Nomenclature**

<table>
<thead>
<tr>
<th>Model</th>
<th>18</th>
<th>R</th>
<th>L</th>
<th>X</th>
<th>F</th>
<th>Z</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASU</td>
<td>Wall Mount</td>
<td>BTUs in thousands</td>
<td>C = Reverse cycle heat pump</td>
<td>S = Inverter</td>
<td>Super Efficient</td>
<td>Z= Zone</td>
<td>H = High Heating</td>
</tr>
<tr>
<td>ABU</td>
<td>Universal Mount Ceiling Susp.</td>
<td>C = Cooling only</td>
<td>S = Ceiling Susp.</td>
<td>X = Extended Line Set</td>
<td>Extended Line Set</td>
<td>W= Wall Mount Only</td>
<td></td>
</tr>
<tr>
<td>ARU</td>
<td>Slim Duct</td>
<td>L = Inverter</td>
<td>S = Super Efficient</td>
<td>F = HFI (when followed by a &quot;0&quot; or &quot;2&quot;) or Floor Mount</td>
<td>H = High Heating</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AUU</td>
<td>Cassette Mount</td>
<td>U = Universal</td>
<td>F = HFI</td>
<td>H = High Heating</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGU</td>
<td>Floor Mount</td>
<td>B = 230V</td>
<td>W = Wall Mount Only</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AOU</td>
<td>Outdoor Unit</td>
<td>B = 230V</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

*1, 2 or 3 at the end of a model number denotes a model revision. Please note models may not be combined with each other.
Heat Pump Disclaimer

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

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

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

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

Complete System Warranty
Warranties vary depending on model:
2 Year Parts, 6 Year Compressor Warranty OR
5 Year Parts, 7 Year Compressor Warranty.

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

• Cooling capacity is based on the following conditions:
  Indoor temperature: 80°F DB/67°F WB (26.7°C DB/19.4°C WB)
  Outdoor temperature: 95°F DB/75°F WB (35°C DB/23.9°C WB)

• Heating capacity is based on the following conditions:
  Indoor temperature: 70°F DB (21.1°C DB)
  Outdoor temperature: 47°F DB/43°F WB (8.3°C DB/6.1°C WB)

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

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

Certifications

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

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

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

AHRI Energy Guide® Program (U.S.)
To view AHRI numbers or Energy Guide labels, please go to www.ahridirectory.org.

HRAI EnerGuide® Program (Canada)
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 closet 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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