



Hybrid Flex Inverter System

Dual, Tri and Quad Zone Mix & Match Flexibility

Mini-Split Air Conditioners and Heat Pumps

AOU18RLXFZ
AOU24RLXFZ
AOU36RLXFZ

Use mini-splits just about any place that requires comfort!

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



Hybrid Flex Inverter System

Zoned Mix and Match Flexibility

AOU18RLXFZ, AOU24RLXFZ, AOU36FLXFZ

Contractors can select either an 18, 24 or 36,000 BTU outdoor unit combined with wall mounted, compact cassette or slim duct 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.



Features

- **Part of the Halcyon Hybrid Flex Inverter (HFI) Line**
As part of the HFI line of components, indoor units are compatible with other HFI outdoor units, meaning mix and match capabilities with fewer components.
- **No Branch Boxes or Separation Tube Assemblies**
While the 8-zone AOU48RLXFZ model requires both branch boxes and separation tube assembly kits, the smaller zoned units - AOU18, 24 and 36RLXFZ **do not require them.**
- **High Efficiency Systems**
Up to 18-SEER in efficiency, these units are 22% more efficient than 14-SEER competing multi-zone systems.
- **Connectable Capacity**
Our 3 outdoor units provide systems from 14,000 to 39,000 BTU. Some connectable capacity is provided to allow increased combinations and flexibility. See chart on page 3 for details. All indoor units can operate at once, however if all the evaporators are calling for cooling or heating at the same time it will decrease the capacity of each evaporator not to exceed the condenser's capacity. As zones meet desired set point the system's other evaporators increase output up to the evaporator's rated capacity.
- **A New Tri-Zone 24,000 BTU Unit**
We now have a 2-ton system that provides 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.
- **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.

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 AOU36RLXFZ outdoor unit.

Allowable Combinations

41 Combinations Based on BTU (Over 300 Combo's Based on Indoor Type and BTU)

| AOU18RLXFZ (Dual Zone) | | | | |
|------------------------|--------|----------------------------|-----------|----------------------|
| Zone 1 | Zone 2 | Total Connectable Capacity | Total BTU | Connectable Capacity |
| 7,000 | 7,000 | 14,000 | 18,000 | 77.8% |
| 7,000 | 9,000 | 16,000 | 18,000 | 88.9% |
| 9,000 | 9,000 | 18,000 | 18,000 | 100.0% |
| 7,000 | 12,000 | 19,000 | 18,000 | 105.6% |
| 9,000 | 12,000 | 21,000 | 18,000 | 116.7% |

| AOU24RLXFZ (Dual or Tri Zone) | | | | | |
|-------------------------------|--------|--------|----------------------------|-----------|----------------------|
| Zone 1 | Zone 2 | Zone 3 | Total Connectable Capacity | Total BTU | Connectable Capacity |
| 7,000 | 7,000 | | 14,000 | 22,000 | 63.6% |
| 7,000 | 9,000 | | 16,000 | 22,000 | 72.7% |
| 9,000 | 9,000 | | 18,000 | 22,000 | 81.8% |
| 7,000 | 12,000 | | 19,000 | 22,000 | 86.4% |
| 9,000 | 12,000 | | 21,000 | 22,000 | 95.5% |
| 7,000 | 7,000 | 7,000 | 21,000 | 22,000 | 95.5% |
| 7,000 | 7,000 | 9,000 | 23,000 | 22,000 | 104.5% |
| 12,000 | 12,000 | | 24,000 | 22,000 | 109.1% |
| 7,000 | 18,000 | | 25,000 | 22,000 | 113.6% |
| 7,000 | 9,000 | 9,000 | 25,000 | 22,000 | 113.6% |
| 7,000 | 7,000 | 12,000 | 26,000 | 22,000 | 118.2% |
| 9,000 | 18,000 | | 27,000 | 22,000 | 122.7% |
| 9,000 | 9,000 | 9,000 | 27,000 | 22,000 | 122.7% |

Remember: These systems **do not** require branch boxes or separation tube assemblies.

| AOU36RLXFZ (Dual, Tri or Quad Zone) | | | | | | |
|-------------------------------------|---------|--------|----------|----------------------------|-----------|----------------------|
| Zone 1 | Zone 2 | Zone 3 | Zone 4 | Total Connectable Capacity | Total BTU | Connectable Capacity |
| 9,000 | 9,000 | 9,000 | | 27,000 | 35,200* | 77.1% |
| 7,000 | 9,000 | 12,000 | | 28,000 | 35,200* | 80.0% |
| 7,000 | 7,000 | 7,000 | 7,000 | 28,000 | 35,200* | 80.0% |
| 9,000 | 9,000 | 12,000 | | 30,000 | 35,200* | 85.7% |
| 7,000 | 7,000 | 7,000 | 9,000 | 30,000 | 35,200* | 85.7% |
| 7,000 | 12,000 | 12,000 | | 31,000 | 35,200* | 88.6% |
| 7,000 | 7,000 | 18,000 | | 32,000 | 35,200* | 91.4% |
| 7,000 | 7,000 | 9,000 | 9,000 | 32,000 | 35,200* | 91.4% |
| 9,000 | 12,000 | 12,000 | | 33,000 | 35,200* | 94.3% |
| 7,000 | 7,000 | 7,000 | 12,000 | 33,000 | 35,200* | 94.3% |
| 7,000 | 9,000 | 18,000 | | 34,000 | 35,200* | 97.1% |
| 7,000 | 9,000 | 9,000 | 9,000 | 34,000 | 35,200* | 97.1% |
| 7,000 | 7,000 | 9,000 | 12,000 | 35,000 | 35,200* | 100.0% |
| 18,000 | 18,000+ | | | 36,000 | 33,000+ | 102.9% |
| 9,000 | 9,000 | 18,000 | | 36,000 | 35,200* | 102.9% |
| 12,000 | 12,000 | 12,000 | | 36,000 | 35,200* | 102.9% |
| 9,000 | 9,000 | 9,000 | 9,000 | 36,000 | 35,200* | 102.9% |
| 7,000 | 12,000 | 18,000 | | 37,000 | 35,200* | 105.7% |
| 7,000 | 9,000 | 9,000 | 12,000 | 37,000 | 35,200* | 105.7% |
| 7,000 | 7,000 | 24,000 | | 38,000 | 35,200* | 108.6% |
| 7,000 | 7,000 | 12,000 | 12,000 | 38,000 | 35,200* | 108.6% |
| 7,000 | 7,000 | 7,000 | 18,000** | 39,000 | 35,200* | 111.4% |
| 9,000 | 12,000 | 18,000 | | 39,000 | 35,200* | 111.4% |



AOU18RLXFZ
AOU24RLXFZ
AOU36RLXFZ



ASU7RLF, ASU9RLF,
ASU12RLF, ASU18RLF,
ASU24RLF



ARU9RLF, ARU12RLF,
ARU18RLF, ARU24RLF



AAU9RLF, AAU12RLF,
AAU18RLF

* Capacity based on non-ducted models. For ducted or mixed refer to capacity table on Page 4.

**ARU18RLF and AAU18RLF only. Wall mounted ASU18RLF cannot be connected in this combination. See Design & Technical Manual for capacities.

+ If AOU36RLXFZ is paired with two 18,000 BTU indoor units, you have to purchase optional kit Part #K9FZ1818.

Capacity based on non-ducted models. For ducted or mixed refer to capacity table in Design & Technical Manual.

Multi-Zone Outdoor Units 18, 24 and 36,000 BTUs

AOU18RLXFZ, AOU24RLXFZ, AOU36RLXFZ

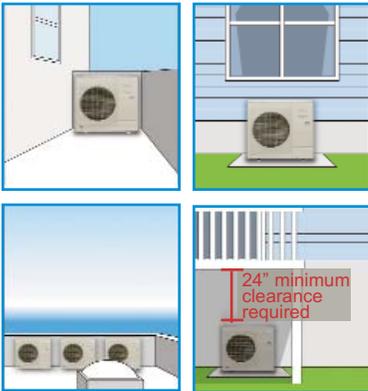


AOU18, 24RLXFZ

AOU36RLXFZ

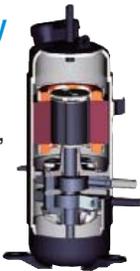
Compact Size

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.



Connectable Indoor Unit Number
Connectable Unit Capacity Class BTU/h
Rated Capacity Cooling/Heating BTU/h

Clg. Operating Range °F(°C)

Htg. Operating Range °F(°C)

Input Power: Clg/Htg Rated kW*

Voltage/Frequency/Phase

Current: Total Max. (A)

Minimum Circuit Ampacity (A)

Recommended Fuse Size (A)

Outdoor Fan Airflow CFM (Clg/Htg)

Fan: Type x Quantity

Sound Pressure Level Cooling dB(A)

Sound Pressure Level Heating dB(A)

Pre-Charge Length Total Ft (m)

Max. Length Total Ft (m)

Max. Length Each Ft (m)

Min. Length Total Ft (m)

Min. Length Each Ft (m)

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

Max. Pipe Height Difference Between Indoor Units Ft (m)

Connection Method

Conn. Pipe Diameter Inch

Net Weight lbs. (kg)

Dimensions: Height Inch

mm

Width Inch

mm

Depth Inch

mm

Refrigerant

| AOU 18RLXFZ | AOU 24RLXFZ | AOU 36RLXFZ | AOU 36RLXFZ |
|------------------------------|--|--|---|
| Heat Pump ASU9+ASU9 | Heat Pump ASU9+ASU7+ASU7 | Heat Pump ASU9 x 4 | 18+18 Combo ¹ ASU18+ASU18 |
| 2 | 2 to 3 | 3 to 4 | 2 ¹ |
| 14 to 21,000 ² | 14 to 27,000 ² | 27 to 39,000 ² | 36,000 ¹ |
| 18,000/22,000 | 22,000/24,000 | 35,200/36,400 | 31,600/35,800 |
| 14 to 115 (-10 to 46) | 14 to 115 (-10 to 46) | 32 to 115 (0 to 46) | 50 to 115 (10 to 46) |
| 5 to 75 (-15 to 24) | 5 to 75 (-15 to 24) | 14 to 75 (-10 to 24) | 14 to 75 (-10 to 24) |
| 1.44/1.87 | 1.76/1.73 | 4.00/3.00 | 3.98/3.66 |
| 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| 10.0 | 13.7 | 20.1 | 20.1 |
| 13 | 17 | 25 | 25 |
| 25 | 25 | 30 | 30 |
| 1,795/1,619 | 1,942/1,942 | 2,119/2,237 | 2,119/2,237 |
| Propeller x 1 | Propeller x 1 | Propeller x 1 | Propeller x 1 |
| 49 | 51 | 53 | 53 |
| 49 | 52 | 55 | 55 |
| 98 (30) | 98 (30) | 164 (50) | 66 (20) |
| 164 (50) | 164 (50) | 230 (70) | 131 (40) |
| 82 (25) | 82 (25) | 82 (25) | 82 (25) |
| 49 (15) | 49 (15) | 66 (20) | 49 (15) |
| 16 (5) | 16 (5) | 16 (5) | 25 (7.5) |
| 49 (15) | 49 (15) | 49 (15) | 49 (15) |
| 33 (10) | 33 (10) | 33 (10) | 33 (10) |
| Flare | Flare | Flare | Flare |
| Liq. 1/4 x 2 Suc. 3/8 x 2 | Liq. 1/4 x 3 Suc. 1/2 x 1, 3/8 x 2 | Liq. 1/4 x 4 Suc. 1/2 x 1, 3/8 x 3 | Liq. 3/8 x 2 Suc. 1/2 x 2 ¹ |
| 119 (54) | 124 (56) | 149 (68) | 149 (68) |
| 27-9/16 | 27-9/16 | 32-11/16 | 32-11/16 |
| 700 | 700 | 830 | 830 |
| 35-7/16 | 35-7/16 | 35-7/16 | 35-7/16 |
| 900 | 900 | 900 | 900 |
| 13 | 13 | 13 | 13 |
| 330 | 330 | 330 | 330 |
| R410A | R410A | R410A | R410A |

¹18+18 is the only 2 indoor unit (ASU, ARU or AUU) combination and requires K9FZ1818.

²See table on page 19 for allowed combinations within this connectable capacity range.

Nominal Capacities, SEER and HSPF Ratings

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

| Model | Indoor Unit | | Cooling Capacity Btu/h | EER | SEER | Heating Capacity Btu/h | | COP | HSPF |
|------------|-------------|---------------------------|------------------------|-------|------|------------------------|--------|------|------|
| | Type | Combination | | | | 95°F | 47°F | | |
| AOU18RLXFZ | Non-Ducted | ASU9+ASU9 | 18,000 | 12.50 | 18.0 | 22,000 | 13,900 | 3.44 | 9.3 |
| | Ducted | - | 18,000 | 12.10 | 16.0 | 22,000 | 13,900 | 3.52 | 9.0 |
| | Mixed | - | 18,000 | 12.30 | 17.0 | 22,000 | 13,900 | 3.48 | 9.2 |
| | Specific | ASU7+ASU12 and ASU9+ASU12 | 18,000 | 12.50 | 18.0 | 22,000 | 13,900 | 3.67 | 9.0 |
| AOU24RLXFZ | Non-Ducted | ASU9+ASU7+ASU7 | 22,000 | 12.50 | 18.0 | 24,000 | 14,100 | 4.04 | 9.5 |
| | Ducted | - | 22,000 | 10.60 | 15.5 | 24,000 | 14,100 | 3.42 | 9.0 |
| | Mixed | - | 22,000 | 11.55 | 16.8 | 24,000 | 14,100 | 3.74 | 9.3 |
| AOU36RLXFZ | Non-Ducted | - | 35,200 | 8.80 | 16.0 | 36,400 | 22,000 | 3.56 | 9.4 |
| | Ducted | - | 33,800 | 8.10 | 14.5 | 36,400 | 21,200 | 3.08 | 8.7 |
| | Mixed | - | 34,400 | 8.45 | 15.3 | 36,400 | 21,600 | 3.32 | 9.1 |

Yellow rows represent models that are ENERGY STAR® Qualified. Only these specific combinations qualify for the Federal Tax Credit of \$300 in 2011.



Wall Mounted 7, 9, 12, 18 and 24,000 BTUs

ASU7RLF, ASU9RLF, ASU12RLF, ASU18RLF, ASU24RLF



ASU7, 9, 12RLF



ASU18, 24RLF

Built In Filtration



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



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

Easy Maintenance

Front panel is easily removed for cleaning.



Standard Features

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

| | ASU7RLF Heat Pump | ASU9RLF Heat Pump | ASU12RLF Heat Pump | ASU18RLF Heat Pump | ASU24RLF Heat Pump |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|------------------------------------|
| Nominal Cooling BTU/h* | 7,000 | 9,000 | 12,000 | 18,000 | 24,000 |
| Nominal Heating BTU/h* | 8,100 | 10,200 | 13,500 | 20,000 | 27,000 |
| Voltage/Frequency/Phase | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Air Circ. C.F.M. (m ³ /h): Hi | Clg 330 (560) Htg 330 (560) | Clg 353 (600) Htg 353 (600) | Clg 388 (660) Htg 388 (660) | Clg 542 (920) Htg 542 (920) | Clg 659 (1,120) Htg 647 (1,100) |
| Medium | Clg 294 (500) Htg 294 (500) | Clg 306 (520) Htg 306 (520) | Clg 330 (560) Htg 330 (560) | Clg 436 (740) Htg 436 (740) | Clg 530 (900) Htg 530 (900) |
| Low | Clg 253 (430) Htg 253 (430) | Clg 253 (430) Htg 253 (430) | Clg 265 (450) Htg 277 (470) | Clg 365 (620) Htg 365 (620) | Clg 436 (740) Htg 436 (740) |
| Quiet | Clg 200 (340) Htg 206 (350) | Clg 200 (340) Htg 206 (350) | Clg 200 (340) Htg 206 (350) | Clg 324 (550) Htg 324 (550) | Clg 365 (620) Htg 365 (620) |
| Noise Level dB(A) (Clg/Htg): Hi | 36/36 | 37/37 | 40/40 | 43/44 | 49/48 |
| Medium | 32/32 | 33/33 | 36/36 | 37/37 | 42/42 |
| Low | 29/29 | 29/29 | 30/31 | 33/33 | 37/37 |
| Quiet | 25/25 | 25/25 | 25/25 | 31/31 | 33/33 |
| Running Current Rated (A): Cooling | 0.13 | 0.15 | 0.19 | 0.32 | 0.53 |
| Heating | 0.13 | 0.15 | 0.19 | 0.32 | 0.53 |
| Power Use Rated (w): Cooling | 15 | 17 | 22 | 41 | 69 |
| Heating | 15 | 17 | 22 | 41 | 69 |
| Fan Speeds Stage | 4+auto | 4+auto | 4+auto | 4+auto | 4+auto |
| Air Direction: Horizontal | Manual | Manual | Manual | Auto | Auto |
| Vertical | Auto | Auto | Auto | Auto | Auto |
| Primary Air Filter | Washable | Washable | Washable | Washable | Washable |
| Ion Deodorizing Filter | Disposable | Disposable | Disposable | Disposable | Disposable |
| Apple-Catechin Filter | Disposable | Disposable | Disposable | Disposable | Disposable |
| Connection Method | Flare | Flare | Flare | Flare | Flare |
| Conn. Pipe Diameter Inch | suc 3/8 dis 1/4 | suc 3/8 dis 1/4 | suc 3/8 dis 1/4 | suc 1/2 dis 1/4 | suc 5/8 dis 1/4 |
| Net Weight lbs. (kg) | 18 (8) | 18 (8) | 18 (8) | 31 (14) | 31 (14) |
| Dimensions: Height Inch (mm) | 11-1/16 (280) | 11-1/16 (280) | 11-1/16 (280) | 12-5/8 (320) | 12-5/8 (320) |
| Width Inch (mm) | 31-1/16 (790) | 31-1/16 (790) | 31-1/16 (790) | 39-1/4 (998) | 39-1/4 (998) |
| Depth Inch (mm) | 8 (203) | 8 (203) | 8 (203) | 9 (228) | 9 (228) |
| Refrigerant | R410A | R410A | R410A | R410A | R410A |

*These are based on 100% capacity and AHRI conditions.
+ The filter can be used for approximately 3 years if it is washed with water when dirty to restore its surface action.

*Feature of models ASU18, 24RLF only.

Slim Duct 9, 12, 18 and 24,000 BTUs

ARU9RLF, ARU12RLF, ARU18RLF, ARU24RLF



ARU9, 12RLF

ARU18RLF

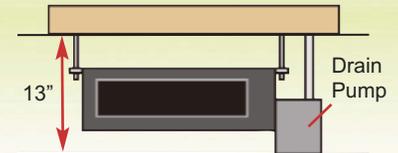
ARU24RLF

| | ARU9RLF Heat Pump | ARU12RLF Heat Pump | ARU18RLF Heat Pump | ARU24RLF Heat Pump |
|--|----------------------|-----------------------|-----------------------|-----------------------|
| Nominal Cooling BTU/h | 9,000 | 12,000 | 18,000 | 24,000 |
| Nominal Heating BTU/h | 10,200 | 13,500 | 20,000 | 27,000 |
| Voltage/Frequency/Phase | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Recommended Static Pressure In. W. C. | 0 ~ 0.36 | 0 ~ 0.36 | 0 ~ 0.36 | 0 ~ 0.20 |
| Air Circ. C.F.M. (m ³ /h) Clg/Htg: Hi | 353 (600) | 383 (650) | 554 (940) | 783 (1,330) |
| Medium | 324 (550) | 353 (600) | 518 (880) | 730 (1,240) |
| Low | 294 (500) | 324 (550) | 483 (820) | 648 (1,100) |
| Quiet | 265 (450) | 283 (480) | 442 (750) | 607 (1,030) |
| Noise Level dB(A) (Clg/Htg): Hi | 28/28 | 29/29 | 32/33 | 33/35 |
| Medium | 27/26 | 28/28 | 31/32 | 32/34 |
| Low | 26/25 | 27/27 | 30/31 | 30/32 |
| Quiet | 25/24 | 26/24 | 29/29 | 29/29 |
| Running Current Rated (A): Cooling | 0.30 | 0.35 | 0.44 | 0.66 |
| Heating | 0.30 | 0.35 | 0.44 | 0.66 |
| Power Use Rated (W): Cooling | 49 | 58 | 73 | 111 |
| Heating | 49 | 58 | 73 | 111 |
| Fan Speeds Stage | 4 + Auto | 4 + Auto | 4 + Auto | 4 + Auto |
| Air Filter | Washable | Washable | Washable | Washable |
| Connection Method | Flare | 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 | suc 5/8 dis 1/4 |
| Net Weight lbs. (kg) | 41 (19) | 41 (19) | 50 (23) | 59 (27) |
| Dimensions: Height Inch (mm) | 7-25/32 (198) | 7-25/32 (198) | 7-25/32 (198) | 7-25/32 (198) |
| Width Inch (mm) | 27-9/16 (700) | 27-9/16 (700) | 35-7/16 (900) | 43-5/16 (1,100) |
| Depth Inch (mm) | 24-13/32 (620) | 24-13/32 (620) | 24-13/32 (620) | 24-13/32 (620) |
| Supply Duct Flange | 5-15/16 (151) | 5-15/16 (151) | 5-15/16 (151) | 5-15/16 (151) |
| Dimensions: Height Inch (mm) | 25-19/32 (650) | 25-19/32 (650) | 33-15/32 (850) | 41-11/32 (1,050) |
| Width Inch (mm) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 3/4 (19) |
| Depth Inch (mm) | 3/4 (19) | 3/4 (19) | 3/4 (19) | 3/4 (19) |
| Return Duct Flange | 6-27/32 (174) | 6-27/32 (174) | 6-27/32 (174) | 6-27/32 (174) |
| Dimensions: Height Inch (mm) | 22-19/32 (574) | 22-19/32 (574) | 30-15/32 (774) | 38-11/32 (974) |
| Width Inch (mm) | 3/4 (19) (Flat) | 3/4 (19) (Flat) | 3/4 (19) (Flat) | 3/4 (19) (Flat) |
| Depth Inch (mm) | R410A | R410A | R410A | R410A |

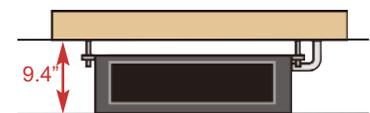
Slim Duct

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

Traditional

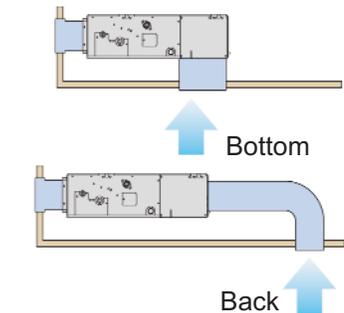


Slim Duct



Return Air-intake

Air intake direction can be selected to match the installation site.



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

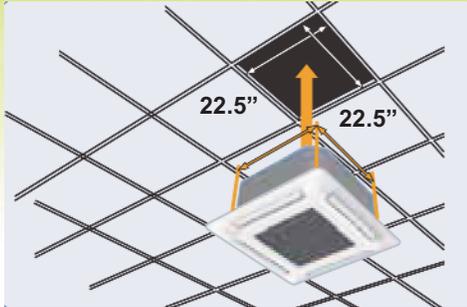
*Available only with optional wireless remote control.

Compact Cassettes 9, 12, and 18,000 BTUs

AUU9RLF, AUU12RLF, AUU18RLF

Easy Installation

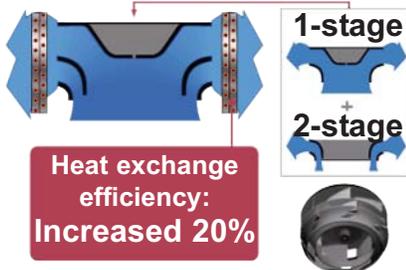
Fits into a standard ceiling tile*.
Compact cassette and slim duct models can be networked.



*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.



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**



+ 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.

| | AUU9RLF Heat Pump | AUU12RLF Heat Pump | AUU18RLF Heat Pump |
|--|-------------------------|-------------------------|--------------------------------------|
| Nominal Cooling BTU/h | 9,000 | 12,000 | 18,000 |
| Nominal Heating BTU/h | 10,200 | 13,500 | 20,000 |
| Voltage/Frequency/Phase | 208-230/60/1 | 208-230/60/1 | 208-230/60/1 |
| Air Circ. C.F.M. (m ³ /h): Hi | 318 (540) Clg or Htg | 359 (610) Clg or Htg | 441 (750) Clg 471 (800) Htg |
| Medium | 288 (490) Clg or Htg | 312 (530) Clg or Htg | 359 (610) Clg 418 (710) Htg |
| Low | 259 (440) Clg or Htg | 277 (470) Clg or Htg | 306 (520) Clg 353 (600) Htg |
| Quiet | 230 (390) Clg or Htg | 241 (410) Clg or Htg | 241 (410) Clg 265 (450) Htg |
| Noise Level dB(A) Clg/Htg: Hi | 33/34 | 37/37 | 42/44 |
| Medium | 31/32 | 33/33 | 37/40 |
| Low | 29/29 | 31/31 | 33/37 |
| Quiet | 27/27 | 28/28 | 29/30 |
| Running Current Rated (A): Cooling | 0.15 | 0.19 | 0.30 |
| Heating | 0.15 | 0.19 | 0.30 |
| Power Use Rated/Max (W): Clg | 18 | 23 | 39 |
| Heating | 18 | 23 | 39 |
| Fan Speeds Stage | 4+auto | 4+auto | 4+auto |
| Air Direction: Vertical | Automatic | Automatic | Automatic |
| Air Filter | Washable | Washable | Washable |
| Front Grille | UTG-CCGF* | UTG-CCGF* | UTG-CCGF* |
| 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 |
| Net Weight lbs. (kg) | 33 (15) | 33 (15) | 33 (15) |
| Chassis Dim: Height Inch (mm) | 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) |
| 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) | 27-9/16 (700) | 27-9/16 (700) | 27-9/16 (700) |
| Refrigerant | R410A | R410A | R410A |



Fresh Air Kit** UTZ-VXAA

Mixes room air then passes through the heat exchanger.

Optional Accessories

Simple Remote Control*

#UTY-RSNUM

Suitable when only basic operations are required for hotels, offices and other places where there is frequent arrival and departure of occupants. To be used with all HFI indoor models.



Wireless Remote Controller

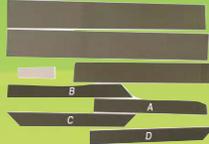
#UTY-LNHUM

For spaces where there is just no place to mount the wired remote. For use only with HFI compact cassettes.



Air Outlet Shutter Plate for Compact Cassettes #UTR-YDZB

In a 3-way air flow configuration an Air Outlet Shutter Plate kit is required.



Communication Kit

#UTY-XCBXZ1

Required to connect ASU7RLF, 9RLF and 12RLF to Wired Remote # UTY-RNNUM, Dry Contact Wire Kit # UTY-XWZX, and Simple Remote Control # UTY-RSNUM.

Wired Remote Control for Wall Mounts*

#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. Requires interface kit UTY-XCBXZ1.



Receiver Unit

#UTY-LRHUM

Includes a wireless remote control. For use on slim duct Halcyon HFI indoor units.



Dry Contact Wire Kit*

#UTY-XWZX

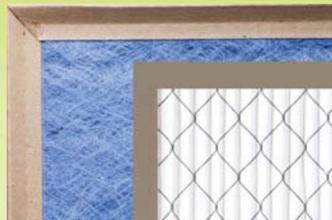
Turns system on or off using a normally closed circuit, for example in home automation or BMS integration of only On/Off operation, occupancy sensor or key card switch or lead-lag control of other heating/cooling.



Field Supplied Filters Used With Slim Duct Units

Slim Duct Units require field supplied filters. They can be installed at the unit or for more convenient servicing, in filter grilles. The chart to the right provides guidelines for determining 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 insure sufficient static pressure is available for ductwork, fittings and supply and return grilles. Alternative filter sizes with equivalent face areas can be used. After deducting filter loss, available static pressure values are shown.



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

| | ARU 9RLF | ARU 12RLF | ARU 18RLF | ARU 24RLF |
|---------------------------------|----------|-----------|-----------|-----------|
| CFM | 353 | 353 | 547 | 806 |
| Typical Filter Size | 12 x 20 | 12 x 20 | 14 x 25 | 18 x 30 |
| Velocity, FPM | 212 | 212 | 225 | 215 |
| Unit External SP, in. W.C. | 0.36 | 0.36 | 0.36 | 0.20 |
| 1" Fiberglass Filter | | | | |
| SP Loss, in. W.C. | 0.04 | 0.04 | 0.04 | 0.04 |
| Available Static Pressure | 0.32 | 0.32 | 0.32 | 0.16 |
| 1" MERV 8 Pleated Filter | | | | |
| SP Loss, in. W.C. | 0.12 | 0.12 | 0.14 | 0.13 |
| Available Static Pressure | 0.24 | 0.24 | 0.22 | 0.07 |
| 2" MERV 8 Pleated Filter | | | | |
| SP Loss, in. W.C. | 0.07 | 0.07 | 0.08 | 0.07 |
| Available Static Pressure | 0.29 | 0.29 | 0.28 | 0.13 |



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