



CONFORTO



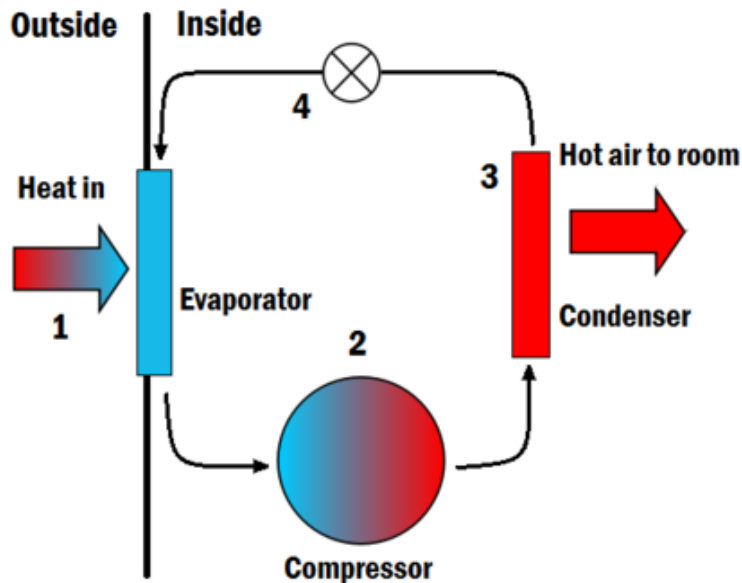
Advantage Heat Pump Series



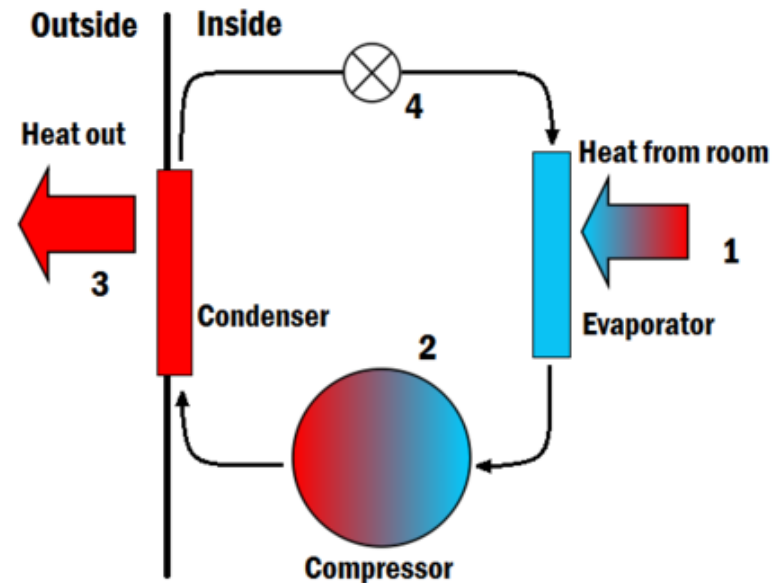
Ductless Mini Split Systems

What is a Heat Pump?

Definition: an apparatus for heating or cooling (such as a building) by transferring heat by mechanical means from or to an external reservoir.



Heating Cycle



Cooling Cycle

Heat pumps use electricity to transfer heat from a cool space to a warm space, making the cool space cooler and the warm space warmer. During the heating season, heat pumps absorb heat from the outdoor air into your house. During the cooling season, heat pumps reject heat from your house to the outdoors.

Conforto Ductless Line



ADVANTAGE SERIES

Advantage Heat Pump Series
ductless systems deliver single-zone
year-round heating and cooling.
Ideal for applications where value pricing
is a priority.

Ductless systems consists of a wall indoor air handler
with a single-zone outdoor condenser.



Features & Benefits

Both Maximum & Advantage Series

- Heat pump variable speed technology provides year-round cooling and heating solutions in extreme weather conditions.
- All-weather resilience is aided by a heated base pan that prevents ice buildup – while a stainless-steel crankcase heater keeps the compressor oil warm at all times.
- Multiple Modes
 - Turbo Mode – rapid and efficient heating of a particular room or space.
 - Sleep Mode – gradually decreases output automatically over night to maintain comfort.
 - 24 Hour Timer – user defined setpoints to start/stop at specific times.
- R-410A Refrigerant.
- Easy installation without any ductwork.
- Self-diagnosis and auto protection including refrigerant leak detection.
- Golden Fin prevents bacteria and improves heat transfer efficiency.
- Quiet operation.
- Power Supply: 208V/230V, 1Ph, 60 Hz

Advantage Heat Pump Series

Indoor
Air Handlers



High Wall
9K, 12K, 18K, 24K



High Wall
30K, 36K

Outdoor
Condensers



Single-Zone
9K, 12K, 18K, 24K, 30K, 36K

Advantage Heat Pump Series

Features

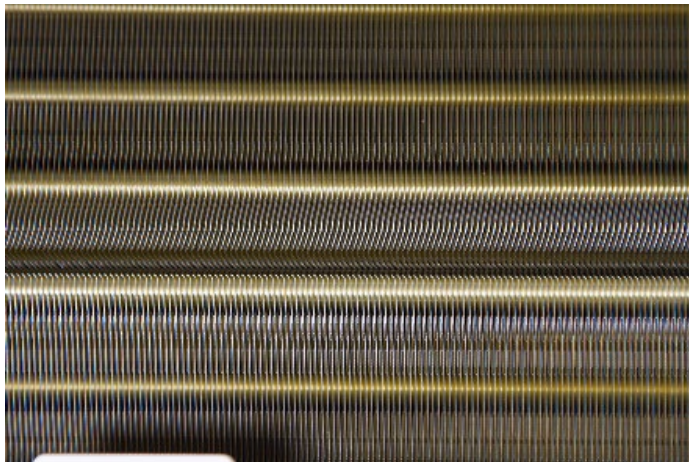
- Cost effective solution for single-zone applications.
- High Efficiency
 - SEER range 16.5 to 21
 - EER range 8.8 to 11
 - HSPF range 9.4 to 12
- Single-Zone Condenser Capacities
 - 9K, 12K, 18K, 24K, 30K, 36K
- Wall Air Handler Capacities
 - 9K, 12K, 18K, 30K, 36K
- Outdoor Temperature Operation Range
 - Cooling of 5°F to 122°F
 - Heating of 5°F to 75°F (86°F for 36K)



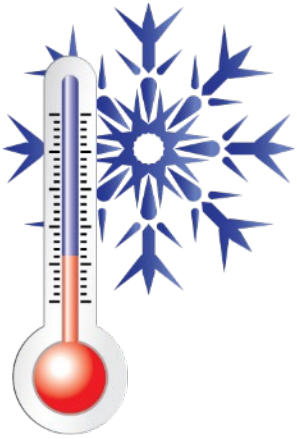
Zero Emissions

Heat pumps are ECO friendly and are a great solution to other carbon-based heating solutions.

“Golden Fin” anti-corrosive coating on the heat exchanger prevents bacteria from breeding in the system and withstands corrosive elements for longer lasting performance.



Low Ambient Operation



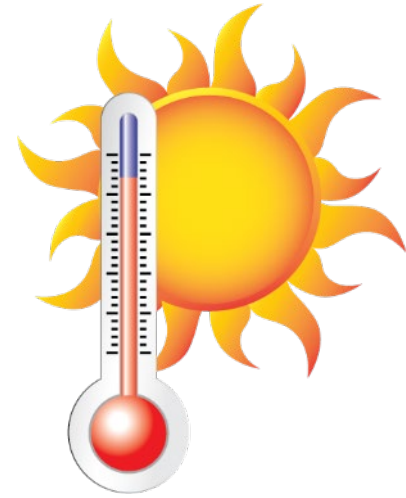
Ductless Systems provide year-round air conditioning when outdoor temperatures are below freezing – the perfect solution for unique residential and light commercial installations where additional cooling is required.

- Data centers
- Server rooms
- Meeting rooms
- Conference rooms
- Gyms
- And more...



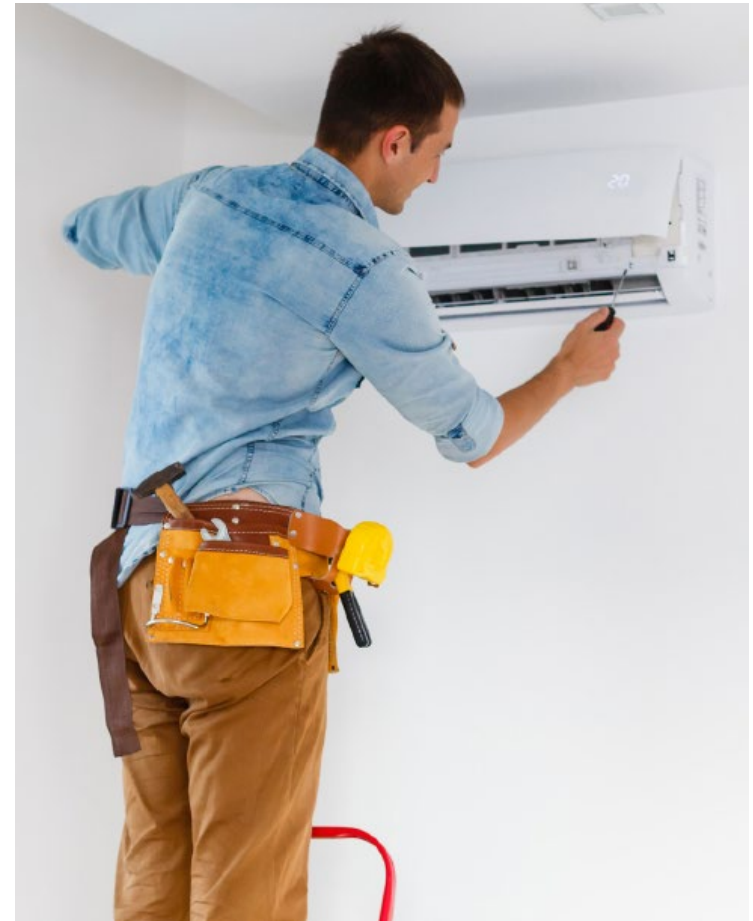
Heating Capacity

The Advantage Heat Pump Series offer ~60% rated heating capacity at 5°F.



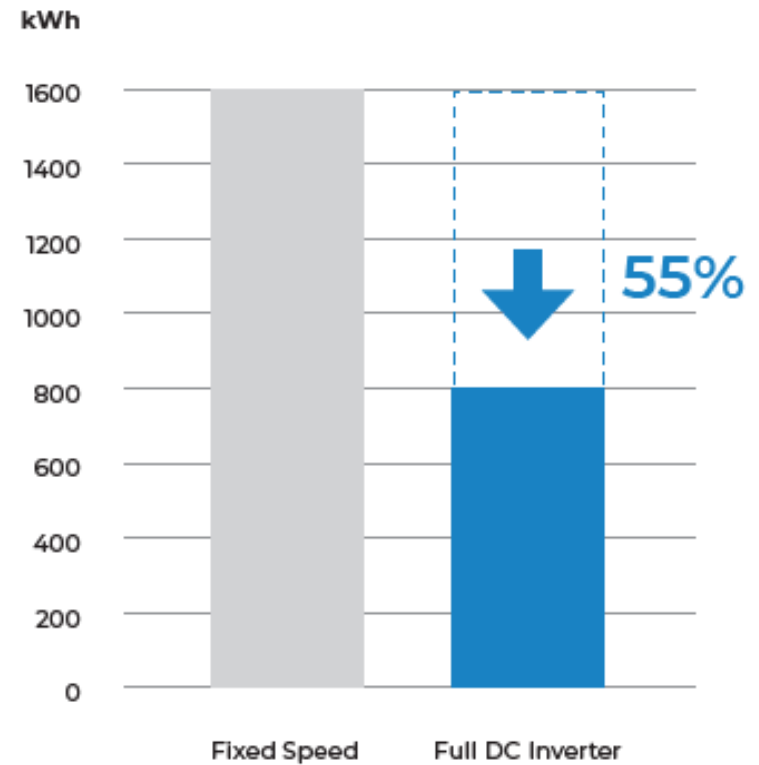
Easy Installation, Minimal Maintenance

- Easily installed by a qualified contractor. Maintenance is kept to a minimum.
- Simply clean the easy-access filter in the system's air-handling units and schedule an occasional diagnostics and maintenance of the outside condenser.
- Internal diagnostics and refrigerant leakage detection quickly identifies any issues and reduces service time.
- Auto Protection – should abnormal operation or part failure happen, the unit will shut off automatically and indicate protection error.



Energy Efficiency

- Advanced, Full DC inverter technology – reduces energy use by 55% compared to fixed-speed air conditioners.



Quiet Operations



- The system's advanced compressor design reduces vibration and, thus, strain on components.
- When ambient temperature is lower at night, the system automatically adjusts the compressor's audible output to as low as 43.9 dB (for comparison, a human conversation measures approximately 60dB!)
- Wall Air Handlers 23 – 48 dB(A)

Air-Handling Units

A Conforto ductless solution offers you clean aesthetics.

- High Wall
 - Perfect for a variety of rooms and can easily be mounted on a wall surface.



Control

- Advantage Heat Pump Series systems affords you precise, consistent temperature control.
 - Choice of modes (turbo, sleep, or timed modes.)
 - Included handheld remote control with “Follow Me” feature.
 - Self-adjusting operation and diagnostics to ensure optimum, year-round performance.



Included IR
Remote Control

Single Zone Ductless w/ Wall Air Handler Specifications & Performance

Single-Zone System with Wall Air Handler

| Outdoor Unit | ADSZ109DACF | ADSZ112DACF | ADSZ118DACF | ADSZ124DACF | ADSZ130DACF | ADSZ136DACF |
|-------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Indoor Unit | ADWAL09DACF | ADWAL12DACF | ADWAL18DACF | ADWAL24DACF | ADWAL30DACF | ADWAL36DACF |
| Capacity (Btu/h) | 9000 | 12000 | 17000 | 24000 | 30000 | 36000 |
| EER (Btu/w) | 8.8 | 8.8 | 9.9 | 8.9 | 11 | 8.5 |
| SEER (Btu/w) | 16.5 | 16.8 | 16.8 | 16.5 | 21 | 17.5 |
| COP (W/W) | 3.59 | 2.9 | 3.1 | 2.84 | 2.75 | 2.47 |
| HSPF (Btu/w) | 9.4 | 9.4 | 9.7 | 9.5 | 10.1 | 12 |
| Liquid side flare connections | 1/4" (6.35mm) | 1/4" (6.35mm) | 1/4" (6.35mm) | 3/8" (9.52mm) | 3/8" (9.52mm) | 3/8" (9.52mm) |
| Gas side flare connections | 3/8" (9.52mm) | 3/8" (9.52mm) | 1/2" (12.7mm) | 5/8" (15.9mm) | 5/8" (15.9mm) | 5/8" (15.9mm) |
| Max. pipe length | 82 ft (25m) | 82 ft (25m) | 98.4 ft (30m) | 164 ft (50m) | 164 ft (50m) | 213 ft (65m) |
| Max. difference in height | 32.8 ft (10m) | 32.8 ft (10m) | 65.6 ft (20m) | 82 ft (25m) | 82 ft (25m) | 98 ft (30m) |



Line Sets

| Part # | Description |
|-----------|--|
| F0323161A | Insulated Tube Set, 3/8 in X 1/4 in X 16 ft (5 meters) Flared Connections MHWAL, MHCAS; 06 & 09 size only |
| F0323261A | Insulated Tube Set, 3/8 in X 1/4 in X 26 ft (8 meters) Flared Connections MHWAL, MHCAS 06; 06 & 09 size only |
| F0323491 | Insulated Tube Set, 3/8 in X 1/4 in X 49 ft (15 meters) Flared Connections MHWAL, MHCAS; 06 & 09 size only |
| F0423161A | Insulated Tube Set, 1/2 in X 1/4 in X 16 ft (5 meters) Flared Connections MHWAL, MHCAS; 12 & 18 sizes |
| F0423261A | Insulated Tube Set, 1/2 in X 1/4 in X 26 ft (8 meters) Flared Connections MHWAL, MHCAS; 12 & 18 sizes |
| F0423491 | Insulated Tube Set, 1/2 in X 1/4 in X 49 ft (15 meters) Flared Connections MHWAL, MHCAS; 12 & 18 sizes |
| F0533262A | Insulated Tube Set, 5/8 in X 3/8 in X 26 ft (8 meters) Flared Connections MHWAL, MHCAS; 24-36 |
| F0533492A | Insulated Tube Set, 5/8 in X 3/8 in X 49 ft (15 meters) Flared Connections MHWAL, MHCAS; 24-36 |

Thank you