



Ductless Mini-Splits



PRIDIOM[®]

Pridiom's Ductless Mini-Split line provides consumers with cooling and heating solutions that are environmentally friendly and incorporate R410a refrigerant. The Pridiom systems offer quality are energy efficient and easy to install.

What you get from a Pridiom Ductless Mini-Splits

- No Hassle Warranty
 - 1-year labor *
 - 3-year parts warranty
 - 5-year compressor warranty
- In House Technical Service
- Installation Kit Includes:
 - 25' Lineset piping
 - 25' Connecting wire
 - Condensate tubing
 - Wall Sleeve

*See Limited Labor Policy for details and limitations



Ductless Mini-Splits

Ductless Mini-Splits have been in use all over the world for nearly 40 years. They have come a long way over the years and are the main source of cooling for most folks outside of North America. Ductless Mini-Splits were marketed in North America nearly 30 years ago as a solution to a problem area in a home or business. The ductless industry today is finding it can solve problems not only in difficult to cool areas but as a zoning solution for the whole house, which creates a more comfortable environment and saves on those every growing energy bills.

Pridiom's line of Ductless Mini-Splits helps to conserve energy by cooling or heating only the spaces where you are. Why would you want to cool or heat your kitchen at three o'clock in the morning while you are tucked away in bed fast asleep? Using Pridiom's line of Ductless systems you can simply turn off that zone when you are not there or use the timer setting to have the unit turn itself off.

Inverter Technology

Pridiom offers an economical standard Ductless Mini-Split using traditional Heat pump technology in our 13 SEER product line. The compressor, the heart of any air conditioning system, turns on when there is a demand for cooling or heating and runs at full speed until the temperature reaches the desired setting the compressor then turns off and waits for the temperature to rise again. Pridiom's Advanced Inverter Technology works differently. By taking the voltage that is used in your home Advanced Inverter Technology changes that voltage from AC (Alternating Current) to DC (Direct Current) like you would find in a car battery. This voltage inversion allows the unit to vary the speed of the compressor. This will speed up the compressor while demand is high and slow down the speed of the compressor and the speed of your electric meter while demand is lower. Advanced Inverter Technology will make your environment more comfortable faster and keep it that way. It will allow you to heat your space even when it is 4° F below zero outside. Where in some Northern climates a traditional heat pump system may not suite your heating needs an Advanced Inverter System may be the solution you have been looking for all along. This is also up to 35% more efficient than conventional Ductless Mini-Splits.





Features

- Advanced Inverter Technology
- Wireless Remote Control
- 115 Volt 091HX & 121HX models
- Dehumidification Mode
- Auto Swing Louver
- Auto Restart
- Auto Mode
- Temperature Display on Indoor Unit
- Sleep Mode
- Low Ambient Operation

Benefits

Ductless mini-split Heat Pump systems use Advanced Inverter Technology to constantly adjust output to maximize comfort and minimize energy costs.

| Indoor Model # | AWS091HX | AWS121HX | AWS181HX | AWS241HX |
|---|--|--|--|---|
| Outdoor Model # | AOS091HX | AOS121HX | AOS181HX | AOS241HX |
| Capacity (BTU) | | | | |
| Cooling | 9,000 | 12,000 | 18,000 | 24,000 |
| Inverter Capacity Range | 5,000—13,000 | 5,000—16,500 | 5,700—23,000 | 9,700—28,000 |
| Heating | 11,000 | 15,500 | 19,000 | 28,000 |
| Inverter Capacity Range | 5,000—13,000 | 5,000—16,500 | 5,800—24,000 | 10,800—29,000 |
| SEER | 19.0 | 20.0 | 18.0 | 16.0 |
| HSPF | 9.0 | 9.5 | 9.0 | 10.0 |
| EER Cooling/ COP Heating | 13.5 / 3.6 | 13.5 / 5.8 | 13.0 / 3.6 | 10.9 / 5.6 |
| Op Range Cool | 5—131 | 5—131 | 5—131 | 5—131 |
| Op Range Heat | - 4— 109 | - 4—109 | - 4— 109 | - 4—109 |
| Dehumidification (Pts/hr) | 1.58 | 2.11 | 2.99 | 4.4 |
| Voltage | 115-60-1 | 115-60-1 | 220-240-60-1 | 220-240-60-1 |
| Input Current (A) Rated/Max Cooling | 5.5 / 9.32 | 7.53 / 10.8 | 5.93 / 10.1 | 11.09 / 12.22 |
| Heating | 7.1 / 9.8 | 10.4 / 13.0 | 6.73 / 9.31 | 10.24 / 12.23 |
| Power Use (KW) Rated/Max Cooling | 0.61 / 1.06 | 0.862 / 1.236 | 1.345 / 2.3 | 2.504 / 2.765 |
| Heating | 0.8 / 1.11 | 1.19 / 1.496 | 1.532 / 2.124 | 2.314 / 2.768 |
| Max Overload Protection (A) | 20 | 20 | 20 | 25 |
| Indoor Air Circulation CFM L-M-H | 212—270—315 | 341—382—430 | 441—530—618 | 518—588—677 |
| Indoor Noise level dB(A) L-M-H | 35—38—42 | 35—38—42 | 44—47—50 | 44—47—49 |
| Indoor Fan Speeds (RPM) L-M-H | 950—1150—1300 | 750—900—1000 | 950—1100—1230 | 1080—1180—1280 |
| Outdoor Noise Level dB(A) | 57 | 57 | 57 | 57 |
| Outdoor Fan Speed (RPM) | 100—900 | 100—900 | 100—900 | 100—900 |
| Fan Speeds | 3 + Auto | 3 + Auto | 3 + Auto | 3 + Auto |
| Connection Method | Flare | Flare | Flare | Flare |
| Max Pipe Length (Ft.) | 82 | 82 | 100 | 100 |
| Max Elevation (Ft.) | 33 | 33 | 50 | 50 |
| Pipe Size (In.) | 1/4—3/8 | 1/4—1/2 | 3/8—5/8 | 3/8—5/8 |
| Service Port Connection (In.) | 5/16 (1/2-20) | 5/16 (1/2-20) | 5/16 (1/2-20) | 5/16(1/2-20) |
| Indoor Dim. W x H x D | 33½ x 13¾ x 9¾ | 39 x 14¾ x 11 | 45½ x 15½ x 12 | 52 x 15½ x 12 |
| Net Weight (lbs.) | 22 | 31 | 40 | 44 |
| Outdoor Dim. W x H x D | 35½ x 22½ x 12¾ | 39¾ x 26¾ x 16¾ | 29¾ x 29¾ x 15½ | 40¾ x 34 x 17¾ |
| Net Weight (lbs.) | 73 | 106 | 128 | 143 |
| Refrigerant | R-410A | R-410A | R-410A | R-410A |
| Approvals | ETL, AHRI Performance Certified 210/240, Energy Star Qualified, CEE Tier 2 | ETL, AHRI Performance Certified 210/240, Energy Star Qualified, CEE Tier 2 | ETL, AHRI Performance Certified 210/240, Energy Star Qualified, CEE Tier 2 | ETL, AHRI Performance Certified 210/240 |



Features

- **Advanced Inverter Technology**
- Mix & Match indoor units
- Wireless Remote Control
- Dehumidification Mode
- Auto Swing Louver
- Auto Restart
- Auto Mode
- Temperature Display on Indoor Unit
- Sleep Mode
- Low Ambient Operation



Benefits

A multi zone system gives you the flexibility to condition more than just one space while operating from just one outdoor unit. Saving time, space and money.

| Indoor Model # | AWM093HX * 2 | AWM093HX + AWM123HX | AWM123HX * 2 |
|-------------------------------------|--|--|--|
| Outdoor Model # | AOM183HX | AOM243HX | AOM243HX |
| Capacity (BTU) | | | |
| Cooling | 22,000 | 21,000 | 28,000 |
| Inverter Capacity Range | 5,900—25,500 | 6,300—29,900 | 6,300—29,900 |
| Heating | 18,000 | 21,000 | 26,000 |
| Inverter Capacity Range | 6,400—28,800 | 7,200—30,000 | 7,200—30,000 |
| SEER | 15.5 | 16.0 | 16.0 |
| HSPF | 8.4 | 8.5 | 8.5 |
| EER Cooling | 12.0 | 12.0 | 12.0 |
| Op Range Cool | 5—131 | 5—131 | 5—131 |
| Op Range Heat | - 4— 89 | - 4— 89 | - 4— 89 |
| Dehumidification (Pts/hr) | 1.58 | 1.58 / 2.11 | 2.11 |
| Voltage | 220-240-60-1 | 220-240-60-1 | 220-240-60-1 |
| Input Current (A) Rated/Max Cooling | 6.0 / 10.5 | 8.0 / 13.0 | 8.0 / 13.0 |
| Heating | 6.7 / 9.8 | 8.7 / 12.5 | 8.7 / 12.5 |
| Power Use (KW) Rated/Max Cooling | 1.38 / 2.43 | 1.83 / 2.93 | 1.83 / 2.93 |
| Heating | 1.55 / 2.35 | 2.0 / 2.45 | 2.0 / 2.45 |
| Max Overload Protection (A) | 20 | 25 | 25 |
| Indoor Air Circulation CFM L-M-H | 190 / 306 / 353 | 190 / 306 / 353 (218 / 406 / 459) | 218 / 406 / 459 |
| Noise level dB(A) L-M-H | 35 / 38 / 42 | 35 / 38 / 42 | 35 / 38 / 42 |
| Indoor Fan Speeds (RPM) L-M-H | 750 / 950 / 1150 | 750 / 950 / 1150 | 750 / 950 / 1200 |
| Outdoor Noise Level dB(A) | 57 | 57 | 57 |
| Outdoor Fan Speed (RPM) | 500 - 900 | 500 - 900 | 500 - 900 |
| Fan Speeds | 3 + Auto | 3 + Auto | 3 + Auto |
| Connection Method | Flare | Flare | Flare |
| Max Pipe Length (Ft.) | 82 | 82 | 82 |
| Max Elevation (Ft.) | 33 | 33 | 33 |
| Pipe Size (In.) | 1/4-3/8 | 1/4-3/8 1/4-1/2 | 1/4-1/2 |
| Service Port Connection (In.) | 5/16 (1/2 - 20) | 5/16 (1/2 - 20) | 5/16 (1/2 - 20) |
| Indoor Dim. W x H x D | 31½ x 10¾ x 8¾ | 31½ x 10¾ x 8¾ 36¾ x 10¾ x 8¾ | 36¾ x 10¾ x 8¾ |
| Net Weight (lbs.) | 26 | 26/31 | 31 |
| Outdoor Dim. W x H x D | 36¾ x 27¾ x 14¾ | 35¾ x 32¾ x 13 | 35¾ x 32¾ x 13 |
| Net Weight (lbs.) | 115 | 163 | 163 |
| Refrigerant | R-410A | R-410A | R-410A |
| Approvals | ETL, AHRI Performance 210/240 Energy Star Qualified, CEE Tier1 | ETL, AHRI Performance 210/240 Energy Star Qualified, CEE Tier1 | ETL, AHRI Performance 210/240 Energy Star Qualified, CEE Tier1 |



Features

- Wireless Remote Control
- Dehumidification Mode
- Auto Swing Louver
- Auto Restart
- Auto Mode
- Temperature Display on Indoor Unit
- Sleep Mode
- Low Ambient Operation

Benefits

Ductless mini-split Heat Pump systems are zoned in efficient at a price that is easy to afford in any economy

| Indoor Model # | AWS090HR | AWS120HR | AWS180HR | AWS240HR |
|---|--|--|--|--|
| Outdoor Model # | AOS090HR | AOS120HR | AOS180HR | AOS240HR |
| Capacity (BTU) | | | | |
| Cooling | 9,000 | 12,000 | 18,000 | 24,000 |
| Heating | 9,000 | 12,000 | 18,000 | 24,000 |
| SEER | 14.0 | 13.0 | 13.0 | 13.0 |
| HSPF | 7.7 | 7.7 | 7.7 | 7.7 |
| EER Cooling/ COP Heating | 3.4 / 3.5 | 3.47 / 3.47 | 3.45 / 3.5 | 3.3 / 3.5 |
| Op Range Cool | 50—109 | 50—109 | 50—109 | 50—109 |
| Op Range Heat | 14—109 | 14—109 | 14—109 | 14—109 |
| Dehumidification (Pts/hr) | 1.58 | 2.11 | 2.99 | 4.4 |
| Voltage | 115-60-1 | 115-60-1 | 230/208-60-1 | 230/208-60-1 |
| Input Current (A) Rated/Max Cooling | 7.2 / 10.2 | 9.6 / 13.1 | 6.5 / 8.6 | 8.5 / 10.2 |
| Heating | 6.8 / 9.64 | 9.3 / 12.3 | 6.4 / 8.6 | 8.0 / 9.9 |
| Power Use (KW) Rated/Max Cooling | 0.77 / 1.12 | 1.01 / 1.42 | 1.48 / 1.85 | 1.93 / 2.21 |
| Heating | 0.72 / 1.05 | 1.0 / 1.35 | 1.48 / 1.85 | 1.8 / 2.14 |
| Max Overload Protection (A) | 15 | 20 | 15 | 20 |
| Indoor Air Circulation CFM L-M-H | 223 / 276 / 330 | 276 / 330 / 376 | 500 / 553 / 618 | 612 / 665 / 724 |
| Indoor Noise level dB(A) L-M-H | 35 / 38 / 42 | 35 / 38 / 42 | 44 / 47 / 50 | 44 / 47 / 50 |
| Indoor Fan Speeds (RPM) L-M-H | 950/1100/1250 | 950/1100/1250 | 1000/1100/1220 | 1000/1100/1220 |
| Fan Speeds | 3 + Auto | 3 + Auto | 3 + Auto | 3 + Auto |
| Outdoor Noise Level dB(A) | 55 | 55 | 60 | 59 |
| Outdoor Fan Speed (RPM) | 910 | 790 | 780 | 780 |
| Connection Method | Flare | Flare | Flare | Flare |
| Max Pipe Length (Ft.) | 50 | 50 | 82 | 82 |
| Max Elevation (Ft.) | 25 | 25 | 33 | 33 |
| Pipe Size (In.) | 1/4—1/2 | 1/4—1/2 | 3/8—5/8 | 3/8—5/8 |
| Service Port Connection (In.) | 5/16(1/2-20) | 5/16(1/2-20) | 5/16(1/2-20) | 5/16(1/2-20) |
| Indoor Dim. W x H x D | 31½ x 7½ x 11 | 35½ x 8½ x 11½ | 42½ x 9½ x 13½ | 48½ x 9½ x 13 |
| Net Weight (lbs.) | 22 | 31 | 40 | 44 |
| Outdoor Dim. W x H x D | 31½ x 21½ x 10 | 33½ x 23½ x 11½ | 35½ x 32½ x 13 | 35½ x 32½ x 13 |
| Net Weight (lbs.) | 73 | 110 | 143 | 143 |
| Refrigerant | R-410A | R-410A | R-410A | R-410A |
| Approvals | UL, AHRI Performance Certified 210/240 | UL, AHRI Performance Certified 210/240 | UL, AHRI Performance Certified 210/240 | UL, AHRI Performance Certified 210/240 |

PRIDIOM®

About ENERGY STAR

ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices. Results are already adding up. Americans, with the help of ENERGY STAR, saved enough energy in 2009 alone to avoid greenhouse gas emissions equivalent to those from 30 million cars — all while saving nearly \$17 billion on their utility bills.

www.energystar.gov



About AHRI

The Air-Conditioning, Heating, and Refrigeration Institute (AHRI) is the national trade association representing manufacturers of more than 90 percent of North American produced central air-conditioning and commercial refrigeration equipment. AHRI's national headquarters is located in Arlington, Virginia. AHRI traces its history back to 1903 when it started as the Ice Machine Builders of the United States. AHRI was formed in 1953 through a merger of two related trade associations. Since that time, several other related trade associations have merged into AHRI, making it the strong association that it is today. Over the past 45 years, AHRI has emerged as the major voice for the air conditioning and refrigeration industry.

www.ahridirectory.org



About CEE

The Consortium for Energy Efficiency (CEE), a nonprofit public benefits corporation, develops national initiatives to promote the manufacture and purchase of energy-efficient products and services. Our goal is to induce lasting structural and behavioral changes in the marketplace, resulting in the increased adoption of energy-efficient technologies.

www.cee1.org

About DSIRE

DSIRE is a comprehensive source of information on state, local, utility and federal incentives and policies that promote renewable energy and energy efficiency. Established in 1995 and funded by the U.S. Department of Energy, DSIRE is an ongoing project of the N.C. Solar Center and the Interstate Renewable Energy Council.

www.dsireusa.org

About ISO

ISO (International Organization for Standardization) is the world's largest developer and publisher of International Standards.

ISO 9001:2008 is an international standard that gives requirements for an organization's quality management system (QMS). ISO 14001:2004 specifies the requirements for such an environmental management system. Fulfilling these requirements demands objective evidence which can be audited to demonstrate that the environmental management system is operating effectively in conformity to the standard.



CONFORMS TO
UL STD. 1995
CERTIFIED TO CSA
STD. C22.2 No. 236

Warranty

Ductless Mini-Split Systems come with a warranty that covers the cost of parts for 3 years, compressor for 5 years and labor to replace those parts for 1 year (labor is limited to the flat rate labor schedule as described in detail in our official labor policy.)

All Pridiom Systems must be installed and serviced by a Professional HVAC Contractor. All parts and labor as covered in the warranty will be handled directly with the contractor. If needed expert troubleshooting guidance is available from Pridiom (M-F 9am – 5pm) to speed the process of getting the unit up and running. Pridiom's warranty does not cover diagnostic time and or repairs related to installation error or outside damage, vandalism, etc.

Installation Kit: Supplied with every system



Accessories: Condenser Wall Bracket



PRIDIOM®

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