



Ductless Mini Splits



PRIDIOM[®]

Pridiom is The Best Value in Ductless Mini-Splits.

We offer top quality heating, cooling and dehumidifying systems at competitive prices. We have the best **No Hassel** warranty in the industry with technical assistance located in the USA. Pridiom's technical support staff is knowledgeable and easy to understand. Whether you have questions about how the unit operates or if a contractor has questions on installation or troubleshooting, the answer is just a phone call away. Should the system not operate properly Pridiom will work with the contractor to diagnose the problem. If a part is required, it will be shipped direct to the contractor. There will be no cost for the part providing it is under warranty. What really sets Pridiom apart is our Limited Labor Policy. When a warranty part needs to be replaced in the first year of operation; Pridiom will reimburse the contractor for doing the job.*

At Pridiom we understand that a Ductless Mini-Split is not a plug in appliance, it is an installed system and there may be questions before or after the purchase. We are here to help. Our friendly knowledgeable staff can answer any question regarding our products in a language that is easy to understand.

*As defined in our labor schedule, see full warranty for more details.



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 homes 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 when 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. 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. These systems are also up to 65% more efficient than conventional Ductless Mini-Splits.





Single Zone Inverter Systems



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	5,750–23,000	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	19.9	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– 10	- 4– 10	- 4– 10
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	0.24 / 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	20
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) L-M-H	57	57	57	57
Outdoor Fan Speeds (RPM) L-M-H	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	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	33 ³ / ₈ x 13 ³ / ₈ x 9 ⁷ / ₈	39 x 14 ¹ / ₄ x 11	45 ³ / ₄ x 15 ¹ / ₄ x 12	52 x 15 ¹ / ₂ x 12
Net Weight (lbs.)	22	31	40	44
Outdoor Dim. W x H x D	35 ⁵ / ₈ x 22 ¹ / ₂ x 12 ³ / ₄	39 ¹ / ₈ x 26 ³ / ₄ x 16 ³ / ₈	29 ⁷ / ₈ x 29 ⁷ / ₈ x 15 ¹ / ₂	40 ¹ / ₈ x 34 x 17 ¹ / ₈
Net Weight (lbs.)	73	106	128	143
Refrigerant	R-410A	R-410A	R-410A	R-410A
Approvals	ETL, AHRI Performance, Certified 210/240	ETL, AHRI Performance, Certified 210/240	ETL, AHRI Performance, Certified 210/240	ETL, AHRI Performance, Certified 210/240



Single Zone 13 SEER Systems



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	8.0 / 9.9
Heating	6.8 / 9.64	9.3 / 12.3	6.4 / 8.6	1.8 / 2.14
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 Speeds (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	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	35¾ x 8½ x 11½	42½ x 9½ x 13¼	48¼ x 9½ x 13
Net Weight (lbs.)	22	31	40	44
Outdoor Dim. W x H x D	31¼ x 21¼ x 10	33½ x 23⅞ x 11⅝	35¾ x 32⅞ x 13	35¾ x 32⅞ 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



Ductless with Star Power Technology™



The Brightest star around, our Sun, has a new partner.

In a joint venture **Pridiom** has joined forces with The **Sun** to bring the first solar powered mini-split to North America.



A high efficiency ductless unit utilizing **Pridiom's Advanced Inverter Technology™** will combine AC voltage from the power grid and solar power from The **Sun** to deliver SEER levels never seen before. Or the unit can be combined with a battery back up system to eliminate the need to be connected to the grid and to help cool and heat your home in the event of a power failure.



Multi Zone Systems

Pridiom's new line of **multi zone systems** utilizes combines our Advanced Inverter Technology with our Versatile Match Technology to give you options that you never had before. First choose the size of the outdoor unit; either 27,000 BTU's or 36,000 BTU's. Then select the number and size of the indoor units needed.

The POM273HX can operate as either a single, dual or tri zone system with a connectable capacity of up to 33,000 BTU's.

The POM365HX can operate as either a single, dual, tri, or quad zone system with a connectable capacity of up to 54,000 BTU's.

The chart on the left page shows 25 of the possible combinations available and the capacity delivered to each indoor units if all indoor units are operating simultaneously. →



Multi Zone System Combinations

Cooling									
Comb.	Combinations				Capacity				Total Cooling Capacity
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	
POM273HX									
Dual	9k	9k	—	—	9212	9212	—	—	18425
	9k	12k	—	—	9070	11163	—	—	20233
	9k	18k	—	—	8759	17855	—	—	26614
	12k	12k	—	—	11464	11464	—	—	22929
	12k	18k	—	—	10276	17020	—	—	27296
Tri	9k	9k	9k	—	8871	8871	8871	—	26614
	9k	9k	12k	—	8554	8554	10528	—	2763
	9k	12k	12k	—	8033	9887	9887	—	27808
COOLING									
Comb.	Combinations				Capacity				Total Cooling Capacity
	Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	
POM365HX									
Tri	18k	18k	—	—	17913	17913	—	—	35826
	9k	9k	18k	—	8871	8871	18084	—	35826
	9k	12k	12k	—	9610	11828	11828	—	33267
	9k	12k	18k	—	7265	8941	14809	—	31015
	9k	18k	18k	—	7957	16220	16220	—	40398
	2k	12k	12k	—	11089	11089	11089	—	33267
	12k	12k	18k	—	10918	10918	15866	—	37703
	12k	18k	18k	—	9368	15515	15515	—	40398
	Quad	9k	9k	9k	9k	8957	8957	8957	8957
9k		9k	9k	12k	8912	8912	8912	10968	37703
9k		9k	9k	18k	7801	7801	7801	15903	39306
9k		9k	12k	12k	8451	8451	10401	10401	37703
9k		9k	12k	18k	7667	7667	9436	15628	40398
9k		12k	12k	12k	8377	10310	10310	10310	39306
9k		12k	12k	18k	7345	9040	9040	14973	40398
12k		12k	12k	12k	9827	9827	9827	9827	39306
2k		12k	12k	18k	8911	8911	8911	14758	41490



PWM093HX



PWM123HX



PWM183HX

Features

- Advanced Inverter Technology
- Versatile Match indoor units
- Wireless Remote Control
- Dehumidification Mode
- Auto Swing Louver
- Temperature Display on Unit

Indoor Model #	PWM093HX	PWM123HX	PWM183HX
Capacity (BTU)			
Cooling	9,000	12,000	17,000
Heating	10,000	13,000	18,000
Dehumidification (Pts/hr)	1.58	2.11	2.99
Voltage	208/230-60-1	208/230-60-1	208/230-60-2
Input Current (A) Rated	0.2	0.3	0.4
Air Circulation CFM L-M-H	191/262/311	230/284/383	440/530 620
Noise level dB(A) L-M-H	27/34/37	28/35/40	33/37/42
Indoor Fan Speeds(RPM) L-M-H	850/1000/1100	900/1000/1250	950/1100/1230
Fan Speeds	3 + Auto	3 + Auto	4 + Auto
Connection Method	Flare	Flare	Flare
Pipe Size (In.)	1/4—3/8	1/4—1/2	1/4—1/2
Indoor Dimensions			
W x H x D	31 ¹ / ₄ x 10 ⁵ / ₈ x 6 ¹ / ₂	33 ¹ / ₄ x 11 ¹ / ₄ x 6 ¹ / ₂	39 ¹ / ₄ x 11 ⁵ / ₈ x 7 ⁵ / ₈
Net Weight (lbs.)	22	22	28
Refrigerant	R-410A	R-410A	R-410A
Approvals	ETL, AHRI Performance certified 210/240	ETL, AHRI Performance certified 210/240	ETL, AHRI Performance certified 210/240



POM273HX



POM365HX

Features

- Advanced Inverter Technology
- Versatile Match indoor units
- Auto Restart
- Low Ambient Operation

Indoor Model #	POM273HX	POM365HX
Capacity (BTU)		
Cooling	27,000	36,000
Inverter Capacity Range	7,000 ~ 27,000	7,000 ~ 36,000
Heating	24,600	36,200
Inverter Capacity Range	10,000 ~ 30,000	9,000 ~ 38000
SEER	16.0	15.0
HSPF	8	8
COP	3.64	3.3
EER Cooling	9.8	10.6
Op Range Cool	32—122	32—122
Op Range Heat	5—75	5—75
Voltage	208/230-60-1	208/230-60-1
Input Current (A) Rated /Max	9.7 / 16	13.5 / 22.5
Power Use (KW) Rated / Max	1.15 / 3.10	3.08 / 4.90
Max Overload Protection (A)	20	20
Outdoor Noise Level dB(A)	55	57
Connection Method	Flare	Flare
Fan Speeds	3 + Auto	3 + Auto
Max Pipe Length (Ft.)	82	82
Pipe Size (In.)	1/4—3/8	1/4—1/2
Service Port Connection In. (UNF)	5/16 (1/2 - 20)	5/16 (1/2 - 20)
Outdoor Dimensions	33 1/4 x 27 3/8 x 13 1/4	39 x 39 1/4 x 13 3/8
Net Weight (lbs.)	123	192°
Refrigerant	R-410A	R-410A
Approvals	ETL, AHRI Performance certified 210/240	ETLTL, AHRI Performance certified 210/240



High Capacity Dehumidifiers



Pridiom's new line of dehumidifiers

Have been designed to take care of all of your high humidity problems. As you would expect these units come full of standard features that you pay extra for with other brands, like a built in condensate pump so there is no bucket to empty.

Both units are Energy Star qualified and plugs into a standard 115 volt outlet. They are light enough to pick up and move around on the attached rubber feet or change to the included casters and wheel it around. If you are looking for a more permanent installation the units can be mounted on a wall with the included bracket.

Specifications	PGD800HCW	PGD1080HCW
Capacity at Saturation	46 L - 96 pt/day	57 - 120 pt/day
Capacity at AHAM	24 L - 50 pt/day	33 - 70 pt/day
Air Flow (High Speed)	253cfm	253cfm
Noise Level Fan Lo/Hi dB(A)	49/54	49/54
Noise Level Compressor Lo/Hi dB(A)	51/54	51/54
Voltage	115 V	115 V
Current @ 80F/60%rh	60 Hz	60 Hz
Power @ 80F/60%rh	0.63kW	0.72kW
Phase	1ph	1ph
Dimensions (in)	19.5 x 12 x 27	19.5 x12 x 27
Weight (NET)	55.12 lbs	61.73 lbs
Condensate pump head	6 feet	6 feet
Operating Temperature	45F/95F	45F/95F
Refrigerant R410A Hermetically sealed		
Approvals	ETL, Energy Star Qualified	ETL, Energy Star Qualified

Warranty

1-Year Unconditional Warranty; 3-Year Warranty on Compressor, Condenser, and Evaporator

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. Wire harness also included.



Accessories: Condenser Wall Bracket. Available in painted finish and Stainless Steel



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