



## Highwall Systems



Our premier Arctic Series inverter heat pumps can effectively reduce your energy costs while maintaining an ideal comfort level, providing exceptional year-round comfort with 100% rated heating capacity at 5°F and comfortably warm air down to -31°F.

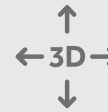
### Key Features



**A-PAM DC INVERTER**  
Latest high efficiency DC inverter technology



**-31°F HEATING**  
Low ambient heating down to -31°F (-35°C).



**3-D AIR FLOW**  
Delivers air vertically and horizontally for even distribution throughout the room



**EASY INSTALLATION CLIP**  
Built-in bracket allows more room to install and service



**BLUE FIN**  
A hydrophilic aluminum fin, ensures condensing water flows smoothly



**QUIET MODE**  
Minimizes indoor noise while maintaining comfort levels



**WARM START**  
Ensures the fan will not blow cold air during heating mode startup



**2-WAY PIPING DRAIN**  
Right or left side drain configuration simplifies installation



**TURBO MODE**  
Cools or heats the room quickly



**AUTO LOUVER**  
Adjusts airflow upward when cooling, or downward when heating



**60+ FT LONG DISTANCE AIR SUPPLY**  
Optimized fan motor and blower design enables up to 60 feet of air flow



**BASE PAN HEATER**  
Prevents condensate water from accumulating in the outdoor unit in extremely cold temperatures



**100% HEATING AT 5°F (-15°C)**  
Provides 100% heating at low ambient 5°F (-15°C)



**SMART SENSOR**  
Automatically changes to an energy-saving temperature while you are away, then back to your regular setting when you return.



Scan this code with your smart device to learn more about Arctic mini-splits.



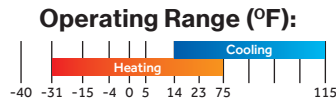
# Single Zone Systems

## Specifications



**Compressor Type:**  
DC Inverter Driven Rotary

**Voltage/Cycle/Phase:**  
208-230/60/1



	09EHAW	12EHAW	18EHAW			
<b>Outdoor</b>	<b>1U09EH2VHD/1U09EH2VHE</b>		<b>1U12EH2VHD/1U12EH2VHE</b>		<b>1U18EH2VHD/1U18EH2VHE</b>	
UPC	0-84691-85044-1/0-84691-85903-1		0-84691-85046-5/0-84691-85904-8		0-84691-85048-9/0-84691-85905-5	
<b>Indoor</b>	<b>AW09EH2VHD</b>		<b>AW12EH2VHD</b>		<b>AW18EH2VHD</b>	
UPC	0-84691-85043-4		0-84691-85045-8		0-84691-85047-2	
<b>Cooling</b>	Rated Capacity Btu/hr	9,000	12,000	18,000		
	Capacity Range Btu/hr	3,100 - 12,000	3,100 - 15,000	8,500 - 21,000		
	SEER/EER	30/16.0	27/15.0	23/13.0		
	Moisture Removal Pt./hr	2.50	3.40	4.20		
<b>Heating</b>	Rated Heating Capacity 47°F Btu/hr	10,000	14,500	20,000		
	COP 47°F	3.5	3.0	3.1		
	Heating Capacity Range Btu/hr	3,100 - 20,000	3,100 - 22,000	8,700 - 27,000		
	Max. Heating Capacity 5°F Btu/hr	12,000	17,000	20,000		
	Max. Heating Capacity -4°F Btu/hr	10,500	15,500	18,000		
	Max. Heating Capacity -15°F Btu/hr	8,600	14,500	16,000		
	Max. Heating Capacity -22°F Btu/hr	7,400	12,400	14,000		
HSPF	15.2	13.0	12.0			
<b>Outdoor Unit</b>	Maximum Fuse Size A	15	20	30		
	Minimum Circuit Amp A	13	14	20		
	Outdoor Noise Level dB	54	54	52		
	Dimension: Height in (mm)	27 1/2 (697)	27 1/2 (697)	30 (762)		
	Dimension: Width in (mm)	35 (890)	35 (890)	36 1/4 (920)		
	Dimension: Depth in (mm)	13 7/8 (353)	13 7/8 (353)	15 1/8 (385)		
Weight Ship/Net - lbs (kg)	115.5/98.3 (52.4/44.6)	124.8/107.6 (56.6/48.8)	154.3/133.4 (70/60.5)			
<b>Indoor Unit</b>	Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto		
	Airflow CFM (Turbo/High/Med/Low/Quiet)	583/383/324/264/240	597/524/430/344/324	636/541/436/330/259		
	Indoor Sound Level dB (Turbo/High/ Med/Low/Quiet)	45/37/34/31/25	46/42/37/31/27	47/41/38/35/29		
	Dimension: Height in (mm)	12 7/8 (327)	12 7/8 (327)	13 1/4 (337)		
	Dimension: Width in (mm)	39 3/4 (1009)	39 3/4 (1009)	44 3/8 (1126)		
	Dimension: Depth in (mm)	8 3/4 (223)	8 3/4 (223)	9 1/16 (230)		
	Weight Ship/Net - lbs (kg)	35.7/27.8 (16.2/12.6)	35.7/27.8 (16.2/12.6)	45.2/36.6 (20.5/16.6)		
<b>Refrigerant Lines</b>	Connections	Flare	Flare	Flare		
	Liquid O.D. in	1/4	1/4	1/4		
	Suction O.D. in	1/2	1/2	1/2		
	Factory Charge Oz	56.8	62.1	82.9		
	Maximum Line Length Ft / m	50/15	50/15	83/25		
	Maximum Height Ft / m	33/10	33/10	50/15		

\*The Arctic Series will continuously operate at -31°F(-35°C).



## Mid-Static Ducted Systems



Our premier Arctic Series inverter heat pumps can effectively reduce your energy costs while maintaining an ideal comfort level, providing exceptional year-round comfort with 100% rated heating capacity at 5°F and comfortably warm air down to -31°F.

### Key Features

**DC INVERTER**  
A-PAM DC INVERTER  
Latest high efficiency DC inverter technology

**-31°F HEATING**  
Low ambient heating down to -31°F (-35°C).



**BLUE FIN**  
A hydrophilic aluminum fin, ensures condensing water flows smoothly



**WARM START**  
Ensures the fan will not blow cold air during heating mode startup



**BASE PAN HEATER**  
Prevents condensate water from accumulating in the outdoor unit in extremely cold temperatures



**100% HEATING AT 5°F**  
Provides 100% heating at low ambient 5°F (-15°C)



**COMPACT DESIGN**  
Less than 10" height saves ceiling space



**CONDENSATE PUMP**  
Built-in condensate pump included standard



**0.6\"/>**



**OPTIONAL MERV FILTER BOX AND SUPPLY PLENUM**  
Accessories available for MSP duct model for easy installation



**AUX HEATER COMPATIBLE**  
Compatible with 3rd party auxiliary heaters



**FRESH AIR**  
Unit design includes 4\"/>



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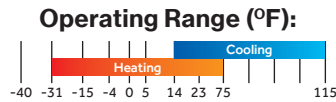
# Single Zone Systems

## Specifications



**Compressor Type:**  
DC Inverter Driven Rotary

**Voltage/Cycle/Phase:**  
208-230/60/1



	09EHYM	12EHYM	18EHYM
<b>Outdoor</b>	<b>1U09EH2VHE</b>	<b>1U12EH2VHE</b>	<b>1U18EH2VHE</b>
UPC	0-84691-85903-1	0-84691-85904-8	0-84691-85905-5
<b>Indoor</b>	<b>USYM09UCDSA</b>	<b>USYM12UCDSA</b>	<b>USYM18UCDSA</b>
UPC	0-84691-85155-4	0-84691-85156-1	0-84691-85157-8
<b>Cooling</b>			
Rated Capacity Btu/hr	9,000	12,000	18,000
Capacity Range Btu/hr	3,100 - 12,000	3,100 - 13,600	6,500 - 23,200
SEER/EER	21/12.5	20/12.5	19/11.5
Moisture Removal Pt./hr	2.50	3.20	3.80
<b>Heating</b>			
Rated Heating Capacity 47°F Btu/hr	10,000	14,500	20,000
COP 47°F	3.2	2.8	3.1
Heating Capacity Range Btu/hr	3,100 - 18,000	3,100 - 21,000	5,100 - 24,000
Max. Heating Capacity 5°F Btu/hr	10,000	12,000	19,000
Max. Heating Capacity -22°F Btu/hr	5,000	6,000	13,000
HSPF	11.0	10.5	10.0
<b>Outdoor Unit</b>			
Maximum Fuse Size A	15	20	30
Minimum Circuit Amp A	13	14	20
Outdoor Noise Level dB	54	54	52
Dimension: Height in (mm)	27 1/2 (697)	27 1/2 (697)	30 (762)
Dimension: Width in (mm)	35 (890)	35 (890)	36 1/4 (920)
Dimension: Depth in (mm)	13 7/8 (353)	13 7/8 (353)	15 1/8 (385)
Weight Ship/Net - lbs (kg)	115.5/98.3 (52.4/44.6)	124.8/107.6 (56.6/48.8)	154.3/133.4 (70/60.5)
<b>Indoor Unit</b>			
Airflow CFM (Turbo/High/Med/Low/Quiet)	424/353/294/235/176	494/424/353/294/235	735/635/541/470/400
Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	44/41/38/35/32	47/44/41/38/35	48/45/42/39/36
Drain Pipe Size O.D in	1 1/4	1 1/4	1 1/4
Dimension: Height in (mm)	9 3/4 (248)	9 3/4 (248)	9 3/4 (248)
Dimension: Width in (mm)	27 1/2 (700)	27 1/2 (700)	43.3 (1100)
Dimension: Depth in (mm)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)
Weight Ship/Net - lbs (kg)	90.4/63.1 (41/28.6)	90.4/63.1 (41/28.6)	121.3/89.3 (55/40.5)
Max. External Static Pressure in.W.G (Pa)	0.6 (150)	0.6 (150)	0.6 (150)
Condensate Pump	Standard	Standard	Standard
Max. Drain-lift height in (mm)	39 (1000)	39 (1000)	39 (1000)
<b>Refrigerant Lines</b>			
Connections	Flare	Flare	Flare
Liquid O.D. in	1/4	1/4	1/4
Suction O.D. in	3/8 (Use 1/2 x 3/8 adapter shipped with outdoor unit)	3/8 (Use 1/2 x 3/8 adapter shipped with outdoor unit)	1/2
Factory Charge Oz	56.8	62.1	82.9
Maximum Line Length Ft / m	50/15	50/15	83/25
Maximum Height Ft / m	33/10	33/10	50/15

\*The Arctic Series will continuously operate at -31°F(-35°C).













## Arctic SERIES

## Console Systems



Our premier Arctic Series inverter heat pumps can effectively reduce your energy costs while maintaining an ideal comfort level, providing exceptional year-round comfort with 100% rated heating capacity at 5°F and comfortably warm air down to -31°F.

### Key Features

- |  |  |
|--|--|
|  <p><b>A-PAM DC INVERTER</b><br/>Latest high efficiency DC inverter technology</p>                 |  <p><b>-31°F HEATING</b><br/>Low ambient heating down to -31°F (-35°C).</p>   |
|  <p><b>BLUE FIN</b><br/>A hydrophilic aluminum fin, ensures condensing water flows smoothly</p>    |  <p><b>ULTRA QUIET</b><br/>Operating noise levels as low as 20dB(A)</p>   |
|  <p><b>WARM START</b><br/>Ensures the fan will not blow cold air during heating mode startup</p> |  <p><b>TURBO MODE</b><br/>Cools or heats the room quickly</p>   |
|  <p><b>AIRFLOW DIRECTION CONTROL</b><br/>Allows user to select preferred airflow direction</p>   |  <p><b>BASE PAN HEATER</b><br/>Prevents condensate water from accumulating in the outdoor unit in extremely cold temperatures</p> |
|  <p><b>100% HEATING AT 5°F (-15°C)</b><br/>Provides 100% heating at low ambient 5°F (-15°C)</p>  |  <p><b>ROOM TEMPERATURE DISPLAY</b><br/>Easy-to-read dual seven segment display on the front panel</p>                            |



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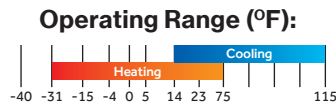
# Single Zone Systems

## Specifications



**Compressor Type:**  
DC Inverter Driven Rotary

**Voltage/Cycle/Phase:**  
208-230/60/1



	09EHYF	12EHYF	18EHYF	
<b>Outdoor</b>	<b>1U09EH2VHE</b>	<b>1U12EH2VHE</b>	<b>1U18EH2VHE</b>	
UPC	0-84691-85903-1	0-84691-85904-8	0-84691-85905-5	
<b>Indoor</b>	<b>USYF09UCDWA</b>	<b>USYF12UCDWA</b>	<b>USYF18UCDWA</b>	
UPC	0-84691-85152-3	0-84691-85153-0	0-84691-85154-7	
<b>Cooling</b>	Rated Capacity Btu/hr	9,000	11,500	14,800
	Capacity Range Btu/hr	3,100 - 12,000	3,100 - 13,600	6,500 - 18,000
	SEER/EER	20/11.0	20/12.5	18/10.0
	Moisture Removal Pt./hr	2.50	3.20	3.80
<b>Heating</b>	Rated Heating Capacity 47°F Btu/hr	10,000	12,500	17,800
	COP 47°F	2.9	2.5	2.2
	Heating Capacity Range Btu/hr	3,100 - 18,000	3,100 - 21,000	5,100 - 20,000
	Max. Heating Capacity 5°F Btu/hr	9,000	10,000	15,000
	Max. Heating Capacity -22°F Btu/hr	4,000	4,000	9,000
	HSPF	10.0	10.0	9.0
<b>Outdoor Unit</b>	Maximum Fuse Size A	15	20	30
	Minimum Circuit Amp A	13	14	20
	Outdoor Noise Level dB	54	54	52
	Dimension: Height in (mm)	27 1/2 (697)	27 1/2 (697)	30 (762)
	Dimension: Width in (mm)	35 (890)	35 (890)	36 1/4 (920)
	Dimension: Depth in (mm)	13 7/8 (353)	13 7/8 (353)	15 1/8 (385)
	Weight Ship/Net - lbs (kg)	115.5/98.3 (52.4/44.6)	124.8/107.6 (56.6/48.8)	154.3/133.4 (70/60.5)
<b>Indoor Unit</b>	Airflow CFM (Turbo/High/Med/Low/Quiet)	264/235/205/176/147	294/264/235/205/176	341/311/282/252/223
	Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	40/36/32/25/20	42/38/34/26/21	46/42/37/33/28
	Drain Pipe Size O.D in	5/8	5/8	5/8
	Dimension: Height in (mm)	23 5/8 (600)	23 5/8 (600)	23 5/8 (600)
	Dimension: Width in (mm)	27 1/2 (700)	27 1/2 (700)	27 1/2 (700)
	Dimension: Depth in (mm)	8 3/8 (210)	8 3/8 (210)	8 3/8 (210)
	Weight Ship/Net - lbs (kg)	43.4/36.4 (19.7/16.5)	43.4/36.4 (19.7/16.5)	43.4/36.4 (19.7/16.5)
<b>Refrigerant Lines</b>	Connections	Flare	Flare	Flare
	Liquid O.D. in	1/4	1/4	1/4
	Suction O.D. in	3/8 (Use 1/2 x 3/8 adapter shipped with outdoor unit)	3/8 (Use 1/2 x 3/8 adapter shipped with outdoor unit)	1/2
	Factory Charge Oz	56.8	62.1	82.9
	Maximum Line Length Ft / m	50/15	50/15	83/25
	Maximum Height Ft / m	33/10	33/10	50/15

\*The Arctic Series will continuously operate at -31°F(-35°C).















## Compact Cassette Systems



Our premier Arctic Series inverter heat pumps can effectively reduce your energy costs while maintaining an ideal comfort level, providing exceptional year-round comfort with 100% rated heating capacity at 5°F and comfortably warm air down to -31°F.

### Key Features

- 
**A-PAM DC INVERTER**  
 Latest high efficiency DC inverter technology
- 
**-31°F HEATING**  
 Low ambient heating down to -31°F (-35°C).
- 
**BLUE FIN**  
 A hydrophilic aluminum fin, ensures condensing water flows smoothly
- 
**QUIET MODE**  
 Minimizes indoor noise while maintaining comfort levels
- 
**WARM START**  
 Ensures the fan will not blow cold air during heating mode startup
- 
**TURBO MODE**  
 Cools or heats the room quickly
- 
**BASE PAN HEATER**  
 Prevents condensate water from accumulating in the outdoor unit in extremely cold temperatures
- 
**100% HEATING AT 5°F (-15°C)**  
 Provides 100% heating at low ambient 5°F (-15°C)
- 
**CONDENSATE PUMP**  
 Built-in condensate pump included standard
- 
**FRESH AIR**  
 Unit design includes 4" round fresh air knock-out



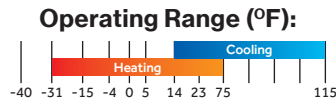
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## Specifications



**Compressor Type:**  
DC Inverter Driven Rotary

**Voltage/Cycle/Phase:**  
208-230/60/1



	09EHAB	12EHAB	18EHAB
<b>Outdoor</b>	<b>1U09EH2VHE</b>	<b>1U12EH2VHE</b>	<b>1U18EH2VHE</b>
UPC	0-84691-85903-1	0-84691-85904-8	0-84691-85905-5
<b>Indoor</b>	<b>AB09SC2VHA</b>	<b>AB12SC2VHA</b>	<b>AB18SC2VHA</b>
UPC	6-88057-40546-9	6-88057-40547-6	6-88057-40548-3
<b>Cooling</b>			
Rated Capacity Btu/hr	9,000	12,000	17,000
Capacity Range Btu/hr	3,100 - 12,000	3,100 - 13,600	6,500 - 20,000
SEER/EER	20/10.5	20/12.5	16/10.5
Moisture Removal Pt./hr	2.50	3.20	3.80
<b>Heating</b>			
Rated Heating Capacity 47°F Btu/hr	10,000	13,000	18,000
COP 47°F	2.7	2.6	2.3
Heating Capacity Range Btu/hr	3,100 - 18,000	3,100 - 21,000	5,100 - 22,000
Max. Heating Capacity 5°F Btu/hr	9,000	11,000	17,000
Max. Heating Capacity -22°F Btu/hr	4,000	5,000	11,000
HSPF	9.0	10.0	9.0
<b>Outdoor Unit</b>			
Maximum Fuse Size A	15	20	30
Minimum Circuit Amp A	13	14	20
Outdoor Noise Level dB	54	54	52
Dimension: Height in (mm)	27 1/2 (697)	27 1/2 (697)	30 (762)
Dimension: Width in (mm)	35 (890)	35 (890)	36 1/4 (920)
Dimension: Depth in (mm)	13 7/8 (353)	13 7/8 (353)	15 1/8 (385)
Weight Ship/Net - lbs (kg)	115.5/98.3 (52.4/44.6)	124.8/107.6 (56.6/48.8)	154.3/133.4 (70/60.5)
<b>Indoor Unit</b>			
Airflow CFM (Turbo/High/Med/Low/Quiet)	410/365/305/265/205	410/365/305/265/205	470/410/365/295/252
Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	43/40/37/34/31	45/42/39/36/33	45/42/39/36/33
Drain Pipe Size O.D in	1 1/4	1 1/4	1 1/4
Dimension: Height in (mm)	10 1/4 (260)	10 1/4 (260)	10 1/4 (260)
Dimension: Width in (mm)	22 7/16 (570)	22 7/16 (570)	22 7/16 (570)
Dimension: Depth in (mm)	22 7/16 (570)	22 7/16 (570)	22 7/16 (570)
Weight Ship/Net - lbs (kg)	43.9/34 (19.9/15.4)	48.5/40.8 (22/18.5)	48.5/40.8 (22/18.5)
Condensate Pump	Standard	Standard	Standard
Max. Drain-Lift height in(mm)	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)
Model Number	PB-700KB	PB-700KB	PB-700KB
<b>Grille Model (Sold Separately)</b>			
Dimension: Height in (mm)	2 3/8 (60)	2 3/8 (60)	2 3/8 (60)
Dimension: Width in (mm)	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)
Dimension: Depth in (mm)	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)
Weight Ship/Net - lbs (kg)	10.6/6.2 (4.8/2.8)	10.6/6.2 (4.8/2.8)	10.6/6.2 (4.8/2.8)
<b>Refrigerant Lines</b>			
Connections	Flare	Flare	Flare
Liquid O.D. in	1/4	1/4	1/4
Suction O.D. in	3/8 (Use 1/2 x 3/8 adapter shipped with outdoor unit)	3/8 (Use 1/2 x 3/8 adapter shipped with outdoor unit)	1/2
Factory Charge Oz	56.8	62.1	82.9
Maximum Line Length Ft / m	50/15	50/15	83/25
Maximum Height Ft / m	33/10	33/10	50/15

\*The Arctic Series will continuously operate at -31°F(-35°C).