

Next Gen Arctic Series

Single Zone Systems



NextGen
Arctic
SERIES



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

Key Features

<p>DC INVERTER</p> <p>A-PAM DC INVERTER Latest high efficiency DC inverter technology</p>	<p>-31°F HEATING</p> <p>Low ambient heating down to -31°F (-35°C).</p>
<p>BASE PAN HEATER</p> <p>Prevents condensate water from accumulating in the outdoor unit in extremely cold temperatures</p>	<p>100% HEATING AT 5°F (-15°C)</p> <p>Provides 100% heating at low ambient 5°F (-15°C)</p>
<p>3-D AIR FLOW</p> <p>Delivers air vertically and horizontally for even distribution throughout the room</p>	<p>SMART SENSOR</p> <p>Automatically changes to an energy-saving temperature while you are away, then back to your regular setting when you return.</p>
<p>EASY INSTALLATION CLIP</p> <p>Built-in bracket allows more room to install and service</p>	<p>BLUE FIN</p> <p>A hydrophilic aluminum fin, ensures condensing water flows smoothly</p>
<p>QUIET MODE</p> <p>Minimizes indoor noise while maintaining comfort levels</p>	<p>60+ FT LONG DISTANCE AIR SUPPLY</p> <p>Optimized fan motor and blower design enables up to 60 feet of air flow</p>
<p>WARM START</p> <p>Ensures the fan will not blow cold air during heating mode startup</p>	<p>2-WAY PIPING DRAIN</p> <p>Right or left side drain configuration simplifies installation</p>
<p>TURBO MODE</p> <p>Cools or heats the room quickly</p>	<p>AUTO LOUVER</p> <p>Adjusts airflow upward when cooling, or downward when heating</p>



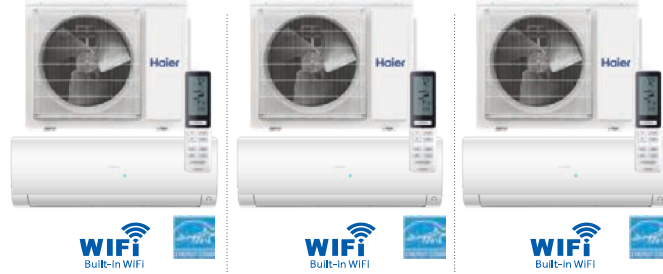
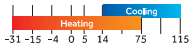
Highwall Systems

Specifications

Compressor Type:
DC Inverter Driven Rotary

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

Operating Range (°F):



	09EHAW	12EHAW	18EHAW
Outdoor	1U09EH2VHD/1U09EH2VHE	1U12EH2VHD/1U12EH2VHE	1U18EH2VHD/1U18EH2VHE
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
Indoor	AW09EH2VHD	AW12EH2VHD	AW18EH2VHD
UPC	0-84691-85043-4	0-84691-85045-8	0-84691-85047-2
Cooling			
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
Rated Power Input W	560	800	1,385
SEER/EER	30/16.0	27/15.0	23/13.0
Moisture Removal Pt./h	2.50	3.40	4.20
Heating			
Heating Capacity Range Btu/hr	3,100 - 20,000	3,100 - 22,000	8,700 - 27,000
Rated Heating Capacity 47°F Btu/hr	10,000	14,500	20,000
COP	3.7	4.3	3.7
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
Rated Power Input W	845	1,400	1,920
HSPF	15.2	13.0	12.0
Outdoor Unit			
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)
Indoor Unit			
Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto
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)
Refrigerant Lines			
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 Next Gen Arctic Series will continuously operate at -31°F(-35°C).