

## 2021 HVAC SELECTION GUIDE

North America



**GE APPLIANCES**  
*a Haier company*



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Haier has been global No.1 connected air conditioner brand for 3 years with a market share of 30.9%.  
(Data: Euromonitor)



**2019**

Haier established IoT-based AC factory, which combines automatic mass production with user interaction.



**2015**

Haier started exporting air conditioners to the U.S.



**1999**

Haier acquired ISO 9001 certification.

Haier started exporting air conditioners to Europe.



**1994**

Haier Group was founded in Qingdao, China.



**1984**

**2021**



Air & Water solutions team is created to drive innovation across multiple categories in the HVAC and plumbing Pro-Channel.

**2016**



Haier acquired GE Appliances, and achieved No.1 RAC market share in the U.S. under Haier and GEA.

**2014**



Haier established new R&D center, focusing on developing smart and healthy air solutions.

**1996**



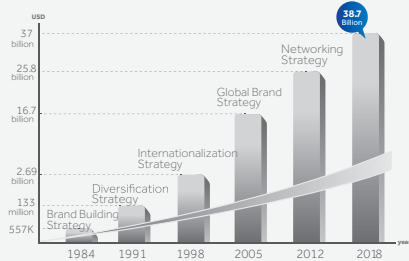
Haier launched full range of light commercial products in China.

**1993**



Haier launched China's first inverter air conditioner.

# Haier Global Position



Established in 1984, Haier is a Fortune 500 company, with global sales revenue exceeding \$38.7bn in 2018.



Haier achieved 10-year global No.1 in major appliances from 2009-2018. (Data: Euromonitor)



Qingdao Haier, a subsidiary of Haier Group, was recently named one of Fortune's most admired companies in the world. It is the only appliance company from Asia to receive this award.



Haier is the world's No.1 connected air conditioner brand (including smart ACs), with a market share of 30.9% in retail sales in 2019. (Data: Euromonitor)

Haier owns 10+NR&D centers, 25 industrial parks, 122 factories, 106 marketing centers worldwide, and has sales networks in over 160 countries and regions.

Haier boasts these major household appliance brands: Haier, GE Appliances, Cafe, Hotpoint, Casarte, Leader, AQUA, Fisher & Paykel, and Candy. They constitute Haier's global brand cluster.



GEA Factory

CANDY Factory

Russia Factory

Thailand Factory



Nigeria Factory

Indonesia Factory

Pune (India) Industrial Park

Greater Noida (India) Industrial Park

FPA R&D Center

Vietnam Factory



Global No.1\*10 Years



Top 100 Global Brand



10+N R&D Centers



106 Marketing Centers



25 Industrial Parks



122 Factories

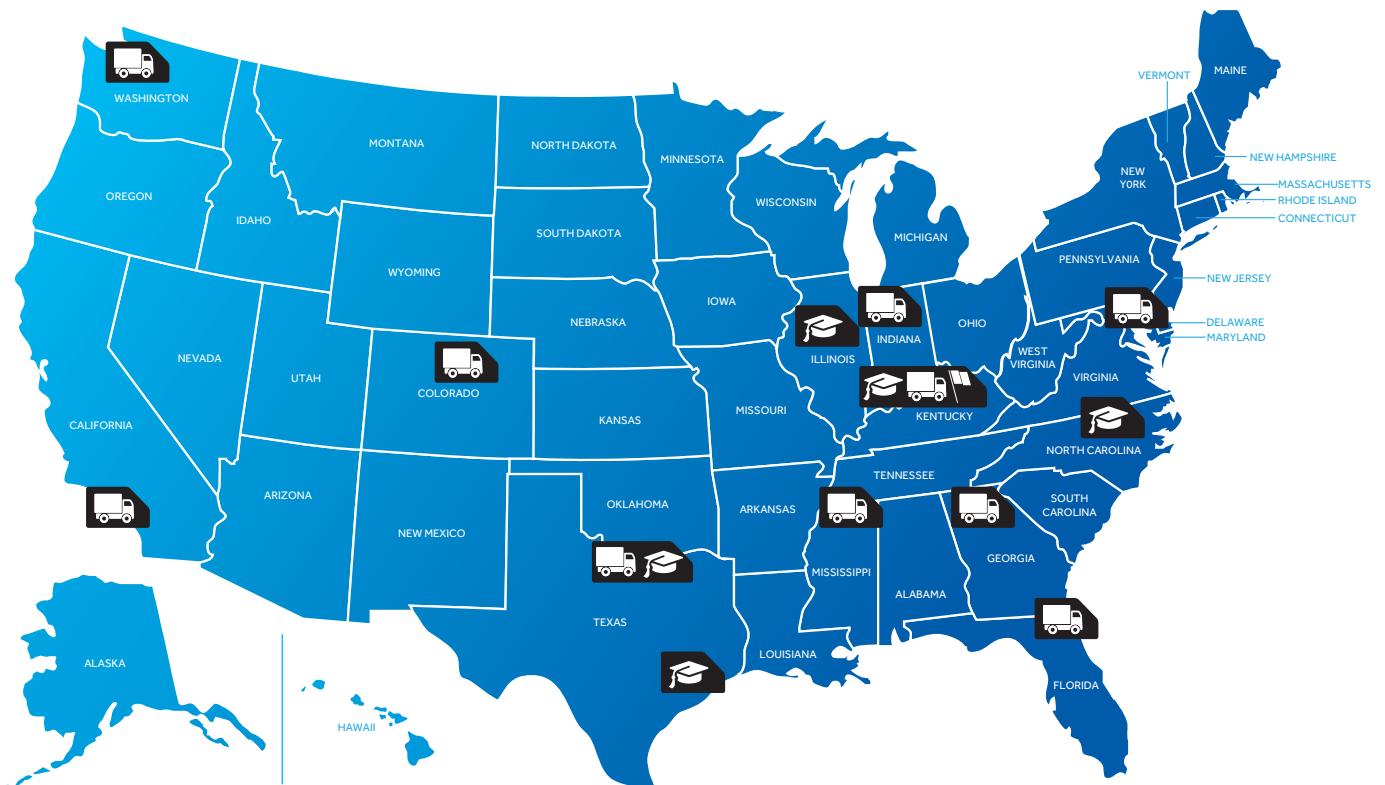


160+ Countries or Regions

# Why Haier?

## North American Presence

Headquartered in Louisville, Kentucky, Haier is committed to the success of our North American partnerships with nine distribution centers and four training centers throughout the United States.



### North America Headquarters

- Louisville, KY



### North American Distribution Centers

- Atlanta, GA
- Seattle, WA
- Los Angeles, CA
- Denver, CO
- Dallas, TX
- Olive Branch, MS
- Munster, IN
- Louisville, KY
- Jacksonville, FL
- Perryville, MD



### Training Centers:

- Dallas, TX
- Houston, TX
- Louisville, KY
- Peru, IL
- Raleigh, NC
- Sacramento, CA (coming soon)
- Toronto, CA (coming soon)

## Comfort Made Easy

Haier is committed to comfort made easy. By providing the best end-user experience through innovative product technology, and with a business model proven to grow larger profits for our North American Haier distributor & installer/servicer partners, Haier is dedicated to being recognized as the North American leader in the HVAC industry.



# The Haier Ductless Advantage

Ductless systems are easier to install, quieter, and more efficient than traditional units. Multi-zone ductless products allow more comfort control throughout the home or office than do centralized systems. Ductless units eliminate the energy losses created by traditional duct work, which can account for more than 30% in energy consumption.

## Smart



**SmartHQ™**  
HOME



WiFi



Download the Smart HQ App to an Apple or Android smart device, link the equipment to the smart device, and enjoy system control from whenever and wherever you want! Compatible with Google Assistant and Amazon Alexa.

## Efficiency



### Energy-Saving Technologies

Luxurious comfort without sacrificing efficiency. From DC inverters and six-step fans to improved heat-exchange materials, every part is constantly working to maximize efficiency.

## Performance



### Temperature Precision

Maintain room air temperature with twice the precision of other leading ductless systems..



### Faster Heating and Cooling

Turbo Mode briefly runs the system at maximum speed to heat or cool in half the time. Warm Start Mode ensures the fan won't blow cold air at the start of the heating phase.

## Air Quality



### High Performance Air Cleaning

Four easy-to-clean filters safely reduce dust, pollen, mites, viruses, bacteria, and odor-causing gases in the air.



### Natural Breeze Effect

To capture the sensation of natural air movement, the 3D Airflow feature on select models creates both horizontal and vertical movement, carried throughout the space by the Long Distance Airflow (60+ ft.) capability.



# Easy to Install



## Features Installers Love:

- Multiple line set and drain positions
- Stand-off cabinet hinge and quick-mount wall bracket ensure a one-person installation
- Color-coded packaging confirms the right equipment is on the job



### Mounting plate with dimensions

Get the centerline of the line set and drain opening in the right location, each time and every time.



### Extended kickstand

Stand-off hinge allows more hand space for line set and drain connections, service, and maintenance.



### Easy access control board

PCB pops out for quick component and wiring checks, without removing the casing!



### Wider tubing cavity

More room for working with line set and drain, or checking refrigerant connections.



### Easy access fan motor

Simplifies maintenance or removal without disassembling the evaporator.



### Detachable bottom cover

Plenty of room for installation, service, and maintenance. No tools needed!



## Download Haierductlesshelp APP



Help is here; any day,  
any night, any time!



### **On-line and Off-line Resources:**

- Tools and Troubleshooting
- Technical Resource Center
- Product Overview and Information
- Error Code Lookup
- Refrigerant Charge Calculators
- Technical Bulletins



# Easy to Own



## VOICE CONTROL

Simply connect one or more Haier smart ductless systems to your WiFi, and you can enjoy hands-free temperature control.



## TECHNOLOGY

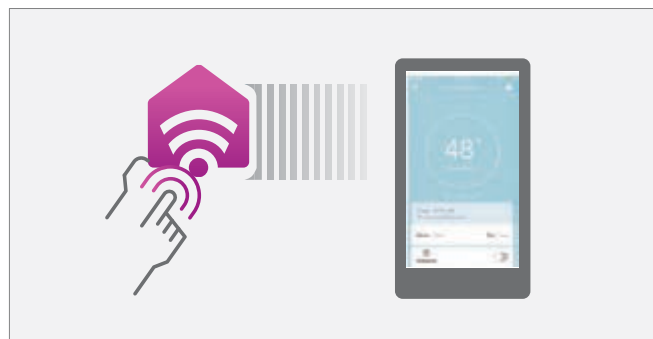


### Amazon Alexa

Alexa is Amazon's voice service that enables you to interact with smart home devices in a more intuitive way.

### Google Assistant

Ask Google Assistant questions and let it help you get things done.



To intelligently control your living space, the Haier SmartHQ App will help you effortlessly connect with your air conditioner.

All connected appliance data is held in strict accordance with the Haier Appliances Connected Data Privacy Policy.





## Tempo Series

Tempo Series offers efficiency and value with outstanding inverter technology performance. Capable of heating down to -4°F(-20°C), cooling up to 115°F(46°C), and available with capacities of 09k, 12k, 18k, and 24k. 09k and 12k are available for both 115V and 208/230V.

- 09k, 12k 115V and 18k, 24k 230V units feature WiFi accessory compatibility.
- 09k, 12k 230V units feature built-in WiFi compatibility.



## Advanced Plus Series

Our Energy Star rated Advanced Plus Series is the ultimate combination of performance and comfort. This series delivers the highest efficiencies (up to 23.5 SEER) and the quietest operation - down to a whispering 23 dB(A). Available capacities are 09k, 12k, 15k, 18k, and 24k.

- A great choice for applications with Energy Star building requirements.
- Popular in states with stringent energy use regulations.
- Premium air delivery quality and airflow with adjustable air blades for up, down, left, and right directional control.
- All units feature WiFi accessory compatibility.



## Next Gen Arctic Series

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.

- Ideal for colder regions.
- While offered only as an accessory by competitors, our outdoor unit base pan heater comes standard.
- Four different types of indoor options including highwall, console, mid-static duct and cassette are available for all sizes.
- All units feature built-in WiFi compatibility.



## FlexFit Series















FlexFit™ is our and modular system that allows a generous selection of ductless indoor and outdoor units up to 18 SEER. Designed with cost-effectiveness in mind, Haier FlexFit ductless systems allow mixing and matching between indoor and outdoor units, effectively reducing the time and cost of inventory management.

- Available sizes are 24k, 36k and 48k.
- Three different types of indoor including high wall, high-static duct, large cassette are available for proper applications.
- Highwall units feature WiFi accessory compatibility.



# Equipment Matchup Quick Reference

## Single Zone Systems

	Series	Capacity	Outdoor	Indoor	Standard Controller	Optional Controller
Highwall Solutions	<b>Tempo Highwall (115V)</b> (Page 13)  	9K	1U09TE1VHA	AW09TE1VHA	 WJ01X24721*	QACT17A** YR-E16B** YR-E17**
		12K	1U12TE1VHA	AW12TE1VHA		
	<b>Tempo Highwall (230V)</b> (Page 13)  	9K	1U09TE2VHA	AW09TE2VHA		
		12K	1U12TE2VHA	AW12TE2VHA		
		18K	1U18TE1VHA	AW18TE1VHA		
		24K	1U24TE1VHA	AW24TE1VHA		
	<b>Advanced Plus Highwall</b> (Page 15)  	9K	1U09AP2VHA	AW09ES2VHB	 WJ01X24721*	QACT17A** YR-E16B** YR-E17**
		12K	1U12AP2VHA	AW12ES2VHB		
		15K	1U15AP2VHA	AW15ES2VHB		
		18K	1U18AP2VHA	AW18ES2VHB		
		24K	1U24AP2VHA	AW24ES2VHB		
	<b>Next Gen Arctic Highwall</b> (Page 17)  	9K	1U09EH2VHD/E	AW09EH2VHD	 WJ26X27153*	QACT17A YR-E16B YR-E17
		12K	1U12EH2VHD/E	AW12EH2VHD		
		18K	1U18EH2VHD/E	AW18EH2VHD		
	<b>FlexFit Pro Highwall</b> (Page 23)  	24K	1U24LP2VHA	AW24LP2VHA	 WJ01X24721*	QACT17A** YR-E16B** YR-E17**
		36K	1U36LP2VHA	AW36LP2VHA		

\*Remote controller WJ01X24721 and WJ26X27153 are shipped with indoor unit.

\*\* Requires WK-B adapter.

Series	Capacity	Outdoor	Indoor	Standard Controller	Optional Controller
<b>Next Gen Arctic Ducted</b> (Page 18) 	9K	1U09EH2VHE	USYM09UCDSA	Wired controller must be purchased separately	QACT17A YR-E16B YR-E17
	12K	1U12EH2VHE	USYM12UCDSA		
	18K	1U18EH2VHE	USYM18UCDSA		
<b>Next Gen Arctic Floor Console</b> (Page 19) 	9K	1U09EH2VHE	USYF09UCDWA	 WJ01X24721*	QACT17A YR-E16B YR-E17
	12K	1U12EH2VHE	USYF12UCDWA		
	18K	1U18EH2VHE	USYF18UCDWA		
<b>Next Gen Arctic Compact Cassette</b> (Page 20) 	9K	1U09EH2VHE	AB09SC2VHA	 WJ01X24721*	QACT17A YR-E16B YR-E17
	12K	1U12EH2VHE	AB12SC2VHA		
	18K	1U18EH2VHE	AB18SC2VHA		
<b>FlexFit Pro Ducted</b> (Page 23) 	24K	1U24LP2VHA	AM24LP2VHA	 YR-E17	QACT17A YR-E16B
	36K	1U36LP2VHA	AM36LP2VHA		
	48K	1U48LP2VHA	AM48LP2VHA		
<b>FlexFit Pro Large Cassette</b> (Page 23) 	24K	1U24LP2VHA	AL24LP2VHA	 YR-HBS01	QACT17A YR-E16B YR-E17
	36K	1U36LP2VHA	AL36LP2VHA		
	48K	1U48LP2VHA	AL48LP2VHA		

\*Remote controller WJ01X24721 and WJ26X27153 are shipped with indoor unit.

\*\* Requires WK-B adapter.



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet **ENERGY STAR**® Criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).



# Tempo Series

## Single Zone Systems



Tempo Series offers efficiency and value with outstanding inverter technology performance. Capable of heating down to -4°F(-20°C), cooling up to 115°F(46°C), and available with capacities of 09k, 12k, 18k, and 24k. 09k and 12k available for both 115V and 208/230V.

### Key Features

<b>DC INVERTER</b> <b>A-PAM DC INVERTER</b> Latest high efficiency DC inverter technology	<b>DRY</b> <b>DRY FUNCTION</b> Reduces indoor humidity level
 <b>-4°F HEATING</b> Low ambient heating down to -4°F (-20°C)	 <b>TURBO MODE</b> Cools or heats the room quickly
 <b>BLUE FIN</b> A hydrophilic aluminum fin ensures condensing water flows smoothly	 <b>QUIET MODE</b> Minimizes indoor noise while maintaining comfort levels
 <b>EASY INSTALLATION CLIP</b> Built-in bracket allows more room to install and service	 <b>CHILD LOCK</b> Prevents unintended and unsupervised use
 <b>AUTO LOUVER</b> Adjusts airflow upward when cooling, or downward when heating	 <b>115V EASY ELECTRIC WIRING</b> 9k and 12k available with 230V or 115V options
 <b>WARM START</b> Ensures the fan will not blow cold air during heating mode startup	 <b>2-WAY PIPING DRAIN</b> Right or left side drain configuration simplifies installation



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







## Specifications

### Compressor Type:

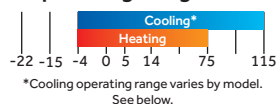
DC Inverter Driven Rotary




### Voltage/Cycle/Phase:

115/60/1:  
09TE1, 12TE1

208-230/60/1:  
09TE2, 12TE2, 18TE2, 24TE2

### Operating Range (°F):



		115V		208-230V			
							
		WIFI Compatible with WIFI Adapter (QAWF01A)		WIFI Built-in WIFI		WIFI Compatible with WIFI Adapter (QAWF01A)	
		09TE1	12TE1	09TE2	12TE2	18TE2	24TE2
Outdoor Unit		1U09TE1VHA	1U12TE1VHA	1U09TE2VHA	1U12TE2VHA	1U18TE2VHA	1U24TE2VHA
UPC		6-88057-40817-0	6-88057-40819-4	0-84691-85533-0	0-84691-85535-4	6-88057-40821-7	6-88057-40823-1
Indoor Unit		AW09TE1VHA	AW12TE1VHA	AW09TE2VHA	AW12TE2VHA	AW18TE2VHA	AW24TE2VHA
UPC		6-88057-40816-3	6-88057-40818-7	0-84691-85532-3	0-84691-85534-7	6-88057-40820-0	6-88057-40822-4
Cooling	Rated Capacity Btu/hr	9,000	12,000	9,000	12,000	18,000	24,000
	Capacity Range Btu/hr	3,800-12,000	4,100-12,500	3,800-10,000	4,100-13,000	5,000-19,000	6,500-26,000
	Rated Power Input W	810	1,200	800	1,100	1,650	2,150
	SEER/EER	16/11.0	16/11.0	18/11.0	18/11.0	16/10.0	16/10.0
	Moisture Removal Pt./h	2.5	3.4	2.3	3.4	4.2	5.9
Heating	Heating Capacity Range Btu/hr	4,100-12,000	4,500-16,000	4,100-11,000	4,500-13,000	5,400-22,000	6,800-28,000
	Rated Heating Capacity 47°F Btu/hr	10,000	12,000	10,000	12,000	19,000	26,000
	COP	3.25	2.93	4.15	3.79	3.22	3.22
	Rated Heating Capacity 17°F Btu/hr	5,600	7,800	5,000	7,500	11,200	16,600
	Max. Heating Capacity 17°F Btu/hr	7,500	11,200	7,500	10,000	16,900	20,700
	Max. Heating Capacity 5°F Btu/hr	6,900	8,930	6,000	8,500	13,600	16,400
	Max. Heating Capacity -4°F Btu/hr	5,300	7,100	5,000	7,500	11,200	13,800
	Rated Power Input W	850	1,000	750	980	1,700	2,400
Operating Range	HSPF	9.0	9.0	10	10	9.0	9.0
	Cooling °F (°C)	14~115°F (-10~46°C)	14~115°F (-10~46°C)	-4~115°F (-20~46°C)	-4~115°F (-20~46°C)	0~115°F (-18~46°C)	0~115°F (-18~46°C)
Outdoor Unit	Heating °F (°C)	-4~75°F (-20~24°C)	-4~75°F (-20~24°C)	-4~75°F (-20~24°C)	-4~75°F (-20~24°C)	-4~75°F (-20~24°C)	-4~75°F (-20~24°C)
	Maximum Fuse Size A	20	20	15	15	20	25
	Minimum Circuit Amp A	18	18	12	12	17	19
	Outdoor Noise Level dB	47	50	48	50	56	53
	Dimension: Height in (mm)	21 1/4 (540)	21 1/4 (540)	21 3/4 (553)	21 3/4 (553)	27 7/16 (697)	30 (762)
	Dimension: Width in (mm)	30 11/16 (780)	30 11/16 (780)	31 1/2 (800)	31 1/2 (800)	35 (890)	36 3/16 (920)
	Dimension: Depth in (mm)	9 5/8 (245)	9 5/8 (245)	10 7/8 (275)	10 7/8 (275)	13 7/8 (353)	15 1/8 (385)
	Weight Ship/Net - lbs (kg)	66.2/58.4 (30/26.5)	71.7/63.9 (32.5/29)	76.1/63.5 (34.5/28.8)	82.2/69.7 (37.3/31.6)	105.8/97.0 (48.0/44.0)	121.3/112.5 (55.0/51.0)
Indoor Unit	Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto	5 + Auto	5 + Auto	5 + Auto
	Airflow CFM (Turbo/High/Med/Low/Quiet)	305/295/280/265/240	310/300/287/275/245	421/332/292/242/200	426/360/310/265/200	545/530/505/475/460	665/650/610/570/555
	Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	39/37/33/28/23	39/37/33/28/23	42/36/33/29/26	42/38/34/31/26	45/43/39/36/33	47/45/40/37/34
	Dimension: Height in (mm)	11 7/16 (290)	11 7/16 (290)	11 7/8 (301)	11 7/8 (301)	12 1/2 (318)	13 3/16 (335)
	Dimension: Width in (mm)	34 (864)	34 (864)	33 3/4 (856)	33 3/4 (856)	39 11/16 (1008)	44 5/16 (1125)
	Dimension: Depth in (mm)	7 7/8 (200)	7 7/8 (200)	7 3/4 (196)	7 3/4 (196)	8 7/8 (225)	9 7/16 (240)
	Weight Ship/Net - lbs (kg)	24.7/19.9 (11.2/9.0)	24.7/19.9 (11.2/9.0)	26.9/21.2 (12.2/9.6)	26.9/21.2 (12.2/9.6)	33.1/26.5 (15.0/12.0)	38.6/30.9 (17.5/14.0)
Refrigerant Lines	Connections	Flare	Flare	Flare	Flare	Flare	Flare
	Liquid O.D. in	1/4	1/4	1/4	1/4	1/4	1/4
	Suction O.D. in	3/8	3/8	3/8	3/8	1/2	1/2
	Factory Charge Oz	26.5	35.3	32.8	40.6	40.6	67.0
	Maximum Line Length Ft / m	66/20	66/20	66/20	66/20	83/25	83/25
	Maximum Height Ft / m	33/10	33/10	33/10	33/10	50/15	50/15

\*The Tempo Series will continuously operate at -4°F(-20°C).







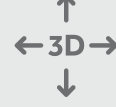





# Advanced Plus Series

## Single Zone Systems



The ultimate combination of performance and comfort, Advanced Plus delivers efficiencies up to 23 SEER and whisper-quiet operation; as low as 23 dB(A). Available Capacities: 9,000 BTU, 12,000 BTU, 15,000 BTU, 18,000 BTU, and 24,000 BTU.

### Key Features

- |   |   |
|---|---|
|  <p><b>A-PAM DC INVERTER</b><br/>Latest high efficiency DC inverter technology</p>  |  <p><b>EASY INSTALLATION CLIP</b><br/>Built-in bracket allows more room to install and service</p>     |
|  <p><b>-15°F HEATING</b><br/>Low ambient heating down to -15F (-26C)</p>  |  <p><b>AUTO LOUVER</b><br/>Adjusts airflow upward when cooling, or downward when heating</p>           |
|  <p><b>BASE PAN HEATER</b><br/>Prevents condensate water from accumulating in the outdoor unit in extremely cold temperatures</p> |  <p><b>WARM START</b><br/>Ensures the fan will not blow cold air during heating mode startup</p>     |
|  <p><b>3-D AIR FLOW</b><br/>Delivers air vertically and horizontally for even distribution throughout the room</p>                |  <p><b>TURBO MODE</b><br/>Cools or heats the room quickly</p>  |
|  <p><b>BLUE FIN</b><br/>A hydrophilic aluminum fin, ensures condensing water flows smoothly</p>                                   |  <p><b>QUIET MODE</b><br/>Minimizes indoor noise while maintaining comfort levels</p>                |
|  <p><b>60+ FT LONG DISTANCE AIR SUPPLY</b><br/>Optimized fan motor and blower design enables up to 60 feet of air flow</p>        |  <p><b>2-WAY PIPING DRAIN</b><br/>Right or left side drain configuration simplifies installation</p> |





## Specifications

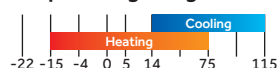
### Compressor Type:

DC Inverter Driven Rotary

### Voltage/Cycle/Phase:

208-230/60/1

### Operating Range (°F):



		09AP	12AP	15AP	18AP	24AP
	<b>Outdoor Unit</b>	<b>1U09AP2VHA</b>	<b>1U12AP2VHA</b>	<b>1U15AP2VHA</b>	<b>1U18AP2VHA</b>	<b>1U24AP2VHA</b>
	UPC	0-84691-83460-1	0-84691-83462-5	0-84691-84495-2	0-84691-83461-8	0-84691-83465-6
	<b>Indoor Unit</b>	<b>AW09ES2VHB</b>	<b>AW12ES2VHB</b>	<b>AW15ES2VHB</b>	<b>AW18ES2VHB</b>	<b>AW24ES2VHB</b>
	UPC	6-88057-40765-4	6-88057-40766-1	0-84691-84496-9	6-88057-40767-8	6-88057-40768-5
Cooling	Rated Capacity Btu/hr	9,000	12,000	15,000	17,000	22,000
	Capacity Range Btu/hr	3,200 - 12,500	3,300 - 15,000	5,400 - 24,000	5,400 - 26,500	6,400 - 30,000
	Rated Power Input W	640	960	1,200	1,390	1,760
	SEER/EER	23.5/14.5	23.0/12.5	21.5/12.5	21.0/12.5	20.0/12.5
	Moisture Removal Pt./h	3.50	3.90	4.10	4.30	7.00
Heating	Heating Capacity Range Btu/hr	3,800 - 15,600	3,900 - 20,000	4,000 - 26,000	4,000 - 30,000	6,200 - 36,000
	Rated Heating Capacity 47°F Btu/hr	10,000	13,000	16,000	22,000	27,600
	COP	4.4	3.5	3.4	3.4	3.3
	Max. Heating Capacity 17°F Btu/hr	13,000	15,000	17,000	19,000	26,000
	Max. Heating Capacity 5°F Btu/hr	10,000	13,000	16,000	17,000	20,000
	Max Heating Capacity -15°F Btu/hr	6,500	7,500	10,000	12,000	14,000
	Rated Power Input W	680	1,500	1,700	2,100	2,630
	HSPF	10.5	11.0	10.5	10.5	10.5
Outdoor Unit	Maximum Fuse Size A	15	15	20	20	30
	Minimum Circuit Amp A	11.0	11.0	14.0	14.0	20.0
	Outdoor Noise Level dB	54	54	55	55	57
	Dimension: Height in (mm)	23 1/2 (597)	23 1/2 (597)	27 7/16 (697)	27 7/16 (697)	30 (762)
	Dimension: Width in (mm)	30 11/16 (780)	30 11/16 (780)	35 (890)	35 (890)	36 3/16 (920)
	Dimension: Depth in (mm)	11 7/16 (290)	11 7/16 (290)	13 7/8 (353)	13 7/8 (353)	15 1/8 (385)
	ODU Weight Ship/Net - lbs	85/78.5	85/78.5	110.5/100.5	110.5/100.5	141/130
Indoor Unit	Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto	5 + Auto	5 + Auto
	Sound Level dB (Turbo/High/Med/Low/Quiet)	44/40/35/31/23	45/41/36/32/23	48/46/42/36/34	48/46/42/36/34	49/47/42/36/34
	Dimension: Height in (mm)	12 1/4 (310)	12 1/4 (310)	13 1/4 (336)	13 1/4 (336)	13 1/4 (336)
	Dimension: Width in (mm)	35 7/16 (900)	35 7/16 (900)	43 7/8 (1115)	43 7/8 (1115)	43 7/8 (1115)
	Dimension: Depth in (mm)	8 7/16 (215)	8 7/16 (215)	9 9/16 (243)	9 9/16 (243)	9 9/16 (243)
	IDU Weight Ship/Net - lbs	31/25.5	31/25.5	43.5/35.5	43.5/35.5	45.5/38
	Connections	Flare	Flare	Flare	Flare	Flare
	Liquid O.D. in	1/4	1/4	1/4	1/4	1/4
Refrigerant Lines	Suction O.D. in	3/8	3/8	1/2	1/2	1/2
	Factory Charge Oz	38.8	38.8	52.2	52.2	74.1
	Max Line Length Ft / m	50/15	50/15	83/25	83/25	83/25
	Max Height Ft / m	33/10	33/10	50/15	50/15	50/15

\*The Advanced Plus Series will continuously operate at -15°F(-26°C).

# Next Gen Arctic Series

## Single Zone Systems



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

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

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

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

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

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

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

**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

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

**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



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







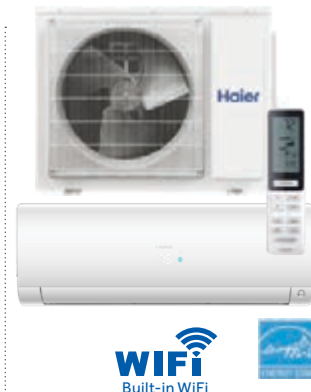
## Highwall Systems

### Specifications

**Compressor Type:**  
DC Inverter Driven Rotary

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

**Operating Range (°F):**



	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
Cooling	Rated Capacity Btu/hr	9,000	12,000
	Capacity Range Btu/hr	3,100 - 12,000	3,100 - 15,000
	Rated Power Input W	560	800
	SEER/EER	30/16.0	27/15.0
	Moisture Removal Pt./h	2.50	3.40
Heating	Heating Capacity Range Btu/hr	3,100 - 20,000	3,100 - 22,000
	Rated Heating Capacity 47°F Btu/hr	10,000	14,500
	COP	3.7	4.3
	Max. Heating Capacity 5°F Btu/hr	12,000	17,000
	Max. Heating Capacity -4°F Btu/hr	10,500	15,500
	Max. Heating Capacity -15°F Btu/hr	8,600	14,500
	Max. Heating Capacity -22°F Btu/hr	7,400	12,400
	Rated Power Input W	845	1,400
Outdoor Unit	HSPF	15.2	13.0
	Maximum Fuse Size A	15	20
	Minimum Circuit Amp A	13	14
	Outdoor Noise Level dB	54	54
	Dimension: Height in (mm)	27 1/2 (697)	27 1/2 (697)
	Dimension: Width in (mm)	35 (890)	35 (890)
Indoor Unit	Dimension: Depth in (mm)	13 7/8 (353)	13 7/8 (353)
	Weight Ship/Net - lbs (kg)	115.5/98.3 (52.4/44.6)	124.8/107.6 (56.6/48.8)
	Fan Speed Stages	5 + Auto	5 + Auto
	Indoor Sound Level dB (Turbo/High/ Med/Low/Quiet)	45/37/34/31/25	46/42/37/31/27
	Dimension: Height in (mm)	12 7/8 (327)	12 7/8 (327)
Refrigerant Lines	Dimension: Width in (mm)	39 3/4 (1009)	39 3/4 (1009)
	Dimension: Depth in (mm)	8 3/4 (223)	8 3/4 (223)
	Weight Ship/Net - lbs (kg)	35.7/27.8 (16.2/12.6)	35.7/27.8 (16.2/12.6)
	Connections	Flare	Flare
	Liquid O.D. in	1/4	1/4
Refrigerant Lines	Suction O.D. in	1/2	1/2
	Factory Charge Oz	56.8	62.1
	Maximum Line Length Ft / m	50/15	50/15
	Maximum Height Ft / m	33/10	33/10

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

# Next Gen Arctic Series

## Single Zone Systems

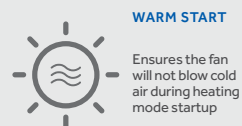
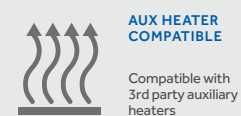
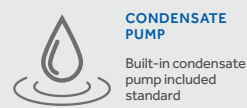
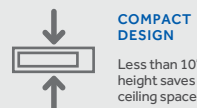
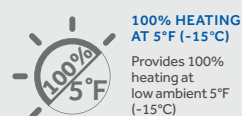
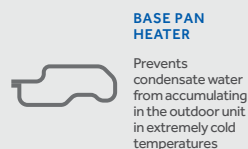
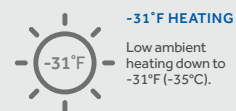


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Our premier Arctic Series inverter heat pumps can effectively reduce your energy costs while maintaining an ideal comfort level. The integration of Haier HeatPlus technology provides exceptional year-round comfort with 100% rated heating capacity at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

### Key Features







## Mid-Static Ducted Systems

### Specifications

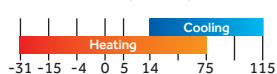
#### Compressor Type:

DC Inverter Driven Rotary

#### Voltage/Cycle/Phase:

208-230/60/1

#### Operating Range (°F):



		09EHYM	12EHYM	18EHYM
	Outdoor	1U09EH2VHE	1U12EH2VHE	1U18EH2VHE
	UPC	0-84691-85903-1	0-84691-85904-8	0-84691-85905-5
	Indoor	USYM09UCDSA	USYM12UCDSA	USYM18UCDSA
	UPC	0-84691-85155-4	0-84691-85156-1	0-84691-85157-8
Cooling	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
	Rated Power Input W	710	950	1,560
	SEER/EER	21/12.5	20/12.5	19/11.5
	Moisture Removal Pt./h	2.50	3.20	3.80
Heating	Heating Capacity Range Btu/hr	3,100 - 18,000	3,100 - 21,000	5,100 - 24,000
	Rated Heating Capacity 47°F Btu/hr	10,000	14,500	20,000
	COP	2.95	3.3	3.5
	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
	Rated Power Input W	910	1,500	1,900
Outdoor Unit	HSPF	11.0	10.5	10.0
	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)
Indoor Unit	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)
	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)	9.7 (248)	9.7 (248)	9.7 (248)
	Dimension: Width in (mm)	27.5 (700)	27.5 (700)	43.3 (1100)
	Dimension: Depth in (mm)	27.5 (700)	27.5 (700)	27.5 (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
Refrigerant Lines	Max. Drain-lift height in (mm)	39 (1000)	39 (1000)	39 (1000)
	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 Next Gen Arctic Series will continuously operate at -31°F(-35°C).

# Next Gen Arctic Series

## Single Zone Systems



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

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

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

**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)

**ULTRA QUIET**  
Operating noise levels as low as 20dB(A)

**AIRFLOW DIRECTION CONTROL**  
Allows user to select preferred airflow direction

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

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

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

**ROOM TEMPERATURE DISPLAY**  
Easy-to-read dual seven segment display on the front panel

SmartHQ  
Compatible

NextGen  
**Arctic**  
SERIES

**AHRI CERTIFIED®**  
www.ahri.org  
Unitary Small HP  
AHRI Standard 210/240  
Consistently delivers when the condenser system



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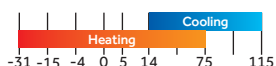
## Console Systems

### Specifications

**Compressor Type:**  
DC Inverter Driven Rotary

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

**Operating Range (°F):**



	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
Rated Power Input W	810	910	1,470
SEER/EER	20/11.0	20/12.5	18/10.0
Moisture Removal Pt./h	2.50	3.20	3.80
<b>Heating</b>			
Heating Capacity Range Btu/hr	3,100 - 18,000	3,100 - 21,000	5,100 - 20,000
Rated Heating Capacity 47°F Btu/hr	10,000	12,500	17,800
COP	2.46	2.86	2.18
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
Rated Power Input W	1,010	1,480	2,400
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)	23.6 (600)	23.6 (600)	23.6 (600)
Dimension: Width in (mm)	27.5 (700)	27.5 (700)	27.5 (700)
Dimension: Depth in (mm)	8.3 (210)	8.3 (210)	8.3 (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 Next Gen Arctic Series will continuously operate at -31°F (-35°C).










# Next Gen Arctic Series

## Single Zone Systems



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

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



NextGen  
**Arctic**  
SERIES



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## Compact Cassette Systems

### Specifications

**Compressor Type:**  
DC Inverter Driven Rotary

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

**Operating Range (°F):**



	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
Rated Power Input W	850	950	1,600
SEER/EER	20/10.5	20/12.5	16/10.5
Moisture Removal Pt./h	2.50	3.20	3.80
<b>Heating</b>			
Heating Capacity Range Btu/hr	3,100 - 18,000	3,100 - 21,000	5,100 - 22,000
Rated Heating Capacity 47°F Btu/hr	10,000	13,000	18,000
COP	2.97	2.64	2.23
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
Rated Power Input W	1,100	1,460	2,300
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)
<b>Grille Model (Sold Separately)</b>			
Model Number	PB-700KB	PB-700KB	PB-700KB
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 Next Gen Arctic Series will continuously operate at -31°F(-35°C).

# FlexFit Pro Series

## Single Zone Systems



**FlexFit Pro**  
SERIES



Our larger capacity system allows optimal configurations of ductless indoor and outdoor units up to 17 SEER. Designed with cost-effectiveness in mind, Haier FlexFit ductless systems provide a solution to the most demanding comfort needs.

### Key Features

**DC INVERTER**

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



**AUTO LOUVER**

Adjusts airflow upward when cooling, or downward when heating



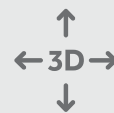
**-4°F HEATING**

Low ambient heating down to -4°F (-20°C)



**WARM START**

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



**3-D AIR FLOW**

Delivers air vertically and horizontally for even distribution throughout the room



**TURBO MODE**

Cools or heats the room quickly



**BLUE FIN**

A hydrophilic aluminum fin, ensures condensing water flows smoothly



**QUIET MODE**

Minimizes indoor noise while maintaining comfort levels



**60+ FT LONG DISTANCE AIR SUPPLY**

Optimized fan motor and blower design enables up to 60 feet of air flow



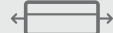
**CHILD LOCK**

Prevents unintended and unsupervised use



**EASY INSTALLATION CLIP**

Built-in bracket allows more room to install and service



**2-WAY PIPING DRAIN**

Right or left side drain configuration simplifies installation



**OPTIONAL WIRED REMOTE CONTROLLER**

Attractive wall-mounted unit is easy to use and features a large LCD display.



**SELF-DIAGNOSIS**

A PCB simplifies service and maintenance by displaying important operating parameters.



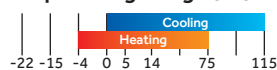


## Specifications

**Compressor Type:**  
DC Inverter Driven Rotary

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

**Operating Range (°F):**



**WIFI**  
Compatible with  
WiFi Adapter (QAWF01A)



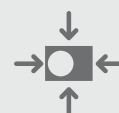
		Highwall		High Static Duct			Large Cassette		
<b>Outdoor Unit</b>		<b>1U24LP2VHA</b>	<b>1U36LP2VHA</b>	<b>1U24LP2VHA</b>	<b>1U36LP2VHA</b>	<b>1U48LP2VHA</b>	<b>1U24LP2VHA</b>	<b>1U36LP2VHA</b>	<b>1U48LP2VHA</b>
UPC		6-88057-40802-6	6-88057-40803-3	6-88057-40802-6	6-88057-40803-3	6-88057-40805-7	6-88057-40802-6	6-88057-40803-3	6-88057-40805-7
<b>Indoor Unit</b>		<b>AW24LP2VHA</b>	<b>AW36LP2VHA</b>	<b>AM24LP2VHA</b>	<b>AM36LP2VHA</b>	<b>AM48LP2VHA</b>	<b>AL24LP2VHA</b>	<b>AL36LP2VHA</b>	<b>AL48LP2VHA</b>
UPC		6-88057-40806-4	6-88057-40807-1	6-88057-40808-8	6-88057-40809-5	6-88057-40811-8	6-88057-40812-5	6-88057-40813-2	6-88057-40815-6
Cooling	Rated Capacity Btu/hr	24,000	35,000	24,000	35,000	45,000	24,000	35,000	45,000
	Capacity Range Btu/hr	6,800 - 30,700	8,500 - 37,500	6,800 - 30,700	8,500 - 37,500	11,900 - 54,500	6,800 - 27,000	8,500 - 37,500	11,900 - 52,800
	Rated Power Input W	2,182	3,500	2,182	3,500	4,476	2,087	3,500	4,286
	SEER/EER	17/10	17/8.6	17/11	17/10	16.9/10	17/11.5	17/10	17/10.5
	Moisture Removal Pt./h	4	5	5	7	11	5	6	11
Heating	Heating Capacity Range Btu/hr	6,800 - 34,100	8,500 - 41,000	6,800 - 34,100	8,500 - 41,000	13,600 - 64,800	6,800 - 30,500	8,500 - 38,500	13,600 - 61,000
	Rated Heating Capacity Btu/hr	27,000	37,000	26,500	37,500	52,000	27,300	36,500	49,000
	COP	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
	Rated Power Input W	2,700	3,700	2,089	3,283	4,407	2,281	3,253	4,533
	HSPF	10	10	11	11	10	10	10	11
Outdoor Unit	Maximum Fuse Size A	25	30	25	30	40	25	30	40
	Minimum Circuit Amp A	21	26	21	26	35	21	26	35
	Outdoor Noise Level dB	47	52	47	52	53	47	52	53
	Dimension: Height in (mm)	38 (965)	38 (965)	38 (965)	38 (965)	53 1/8 (1350)	38 (965)	38 (965)	53 1/8 (1350)
	Dimension: Width in (mm)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)	37 3/8 (950)
	Dimension: Depth in (mm)	14 5/8 (370)	14 5/8 (370)	14 5/8 (370)	14 5/8 (370)	14 5/8 (370)	14 5/8 (370)	14 5/8 (370)	14 5/8 (370)
	Weight Ship/Net - lbs (kg)	202.8/ 176.4 (92/80)	207.2/180.7 (94/82)	202.8/ 176.4 (92/80)	207.2/180.7 (94/82)	260.1/231.5 (118/105)	202.8/ 176.4 (92/80)	207.2/180.7 (94/82)	260.1/231.5 (118/105)
Indoor Unit	Indoor Sound dB (Turbo/High/Med/Low/Quiet)	49/47/42/36/34	50/48/44/38/36	38/35/32/29	32/28/25/23	41/36/33/31	36/33/29/26	45/42/38/34	41/36/33/31
	Airflow CFM (Turbo/High/Med/Low/Quiet)	710/650/560/440/410	720/660/570/450/420	845/670/530/470	1100/950/735/675	1350/1150/930/765	740/630/480/400	990/900/776/700	1147/941/847/705
	Dimension: Height in (mm)	13 1/4 (336)	14 3/8 (365)	9 7/8 (250)	9 7/8 (250)	9 7/8 (250)	9 5/8 (246)	9 5/8 (246)	11 3/8 (288)
	Dimension: Width in (mm)	43 7/8 (1115)	51 13/16 (1316)	37 5/8 (957)	59 (1500)	59 (1500)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)
	Dimension: Depth in (mm)	9 9/16 (243)	10 7/8 (275)	25 3/4 (655)	28 3/8 (720)	28 3/8 (720)	33 1/8 (840)	33 1/8 (840)	33 1/8 (840)
	Max. Ext. Static in.W.G (Pa)	NA	NA	0.6(150)	0.6(150)	0.6(150)	NA	NA	NA
	Drainpipe Size O.D. in	NA	NA	1 1/4	1 1/4	1 1/4	1	1	1
	Internal Condensate Pump	NA	NA	Standard	Standard	Standard	Standard	Standard	Standard
	Max. Drain-Lift in (mm)	NA	NA	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)	39 3/8 (1000)	39 3/8 (1000)	39 3/8 (1000)
	Grille Model	NA	NA	NA	NA	NA	PB-950KB	PB-950KB	PB-950KB
	Grille Size: H×W×D in (mm)	NA	NA	NA	NA	NA	2 × 37 3/8 × 37 3/8 (50×950×950)	2 × 37 3/8 × 37 3/8 (50×950×950)	2 × 37 3/8 × 37 3/8 (50×950×950)
	Weight Ship/Net - lbs (kg)	45.4/37.5 (20.6/17)	55.1/46.3 (25.5/21)	81.1/68.8 (36.8/31.2)	130.1/121.3 (59/55)	132.3/114.6 (60/52)	79.4/68.3 (36/31)	79.4/68.3 (36/31)	83.8/70.5 (38/32)
Refrigerant Lines	Connections	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare
	Liquid/Suction O.D. in	3/8 5/8	3/8 5/8	3/8 5/8	3/8 5/8	3/8 5/8	3/8 5/8	3/8 5/8	3/8 5/8
	Factory Charge Oz	88	88	88	88	131	88	88	131
	Maximum Line Length Ft / m	165/50	165/50	165/50	165/50	230/75	165/50	165/50	230/75
	Maximum Height Ft / m	100/30	100/30	100/30	100/30	100/30	100/30	100/30	100/30

# Side-Discharge Air Conditioner



The perfect choice for contractors working in the highly-competitive add-on and replacement market. The copper tube and aluminum fin coil, a high efficiency fan, and reliable rotary compressor deliver quiet, continuous comfort all summer long. Its low profile is ideal for rooftops or under decks, and fits perfectly in tight spaces such as multi-family apartments, condominium balconies, dormitories, or retail spaces. The draw-through fan also makes stacking units a breeze. Best of all, the 24 VAC control system means effortless wiring to just about every air handler or furnace and cooling coil combination in the industry!

## Key Features



### COMPACT SIZE

The side-discharge configuration is perfect for installation in limited space.



### QUIET OPERATION

Sound-dampening features produce operation at noise levels as low as 52dB.



### LIGHT WEIGHT

Easier contractor equipment transportation and installation.



### 24V SYSTEM

Compatible with many 24VAC thermostats

## Side-Discharge Air Conditioner

# Side-Discharge Air Conditioner

## Specifications

### Compressor Type:

Rotary








### Voltage/Cycle/Phase:

12K: 115/60/1

18K - 48K: 208-230/60/1

### Operating Range (°F):



		115V	208-230V					
Voltage/Cycle/Phase: 12K: 115/60/1 18K - 48K: 208-230/60/1								
Operating Range (°F): 								
		12k*	18k**	24k**	30k**	36k**	48k**	
	Outdoor Unit	UUC112WCDA	UUC118WCDA	UUC124WCDA	UUC130WCDA	UUC136WCDA	UUC148WCDA	
	UPC	0-84691-85479-1	0-84691-85480-7	0-84691-85481-4	0-84691-85483-8	0-84691-85484-5	0-84691-85486-9	
	Rated Capacity Btu/hr	12,000	17,500	23,400	28,600	34,000	46,000	
Cooling	SEER/EER	14/12	14.5/12	14.5/12	14.5/12	14.5/12	14/11.7	
	Maximum Fuse Size A	15	15	15	20	25	40	
Outdoor Unit	Minimum Circuit Amp A	11	10	12	14	16	26	
	Outdoor Noise Level dB	52	55	59	59	59	64	
	Fan Speed RPM	820	890	880	880	890	870	
	Outdoor Airflow CFM	1220	1600	2450	2250	2300	2600	
	Dimension: H in (mm)	21.9 (555)	27.6 (702)	31.9 (810)	31.9 (810)	31.9 (810)	34.25 (870)	
	Dimension: W in (mm)	33.5 (850)	36.0 (914)	40.0 (1015)	40.0 (1015)	40.0 (1015)	43.31 (1100)	
	Dimension: D in (mm)	13.6 (345)	15.0 (382)	17.5 (445)	17.5 (445)	17.5 (445)	20.79 (528)	
	Ship Dimension: H in (mm)	24.5 (622)	30.8 (782)	38.4 (975)	38.4 (975)	38.4 (975)	40.6 (1030)	
	Ship Dimension: W in (mm)	36.0 (915)	38.4 (975)	42.3 (1075)	42.3 (1075)	42.3 (1075)	45.0 (1145)	
	Ship Dimension: D in (mm)	15.0 (380)	16.5 (420)	19.5 (495)	19.5 (495)	19.5 (495)	21.5 (545)	
	Weight (Net/Gross)- lbs (kg)	76.1/92.6 (34.5/42)	105.8/123.5 (48/56)	125.7/169.7 (57/77)	141.1/187.4 (64/85)	141.1/187.4 (64/85)	198.4/248 (90/112.5)	
	AHRI Matching Indoor Coil	Model	C(A,C,E)24A24+TDR	C(A,C,E)24B44+TDR	C(A,C,E)24B44+TDR	C(A,C,E)36B44+TDR	C(A,C,E)48C34+TDR	C(A,C,E)48C34+TDR
		CFM with rated coils	445	650	780	1080	1150	1500
Refrigerant Lines	Liquid/Suction O.D. in	1/4 1/2	1/4 1/2	3/8 5/8	3/8 3/4	3/8 3/4	3/8 3/4	
	Refrigerant	R410A	R410A	R410A	R410A	R410A	R410A	
	Factory Charge lbs	3.1	4.7	6.1	7.3	7.3	8.8	
	Maximum Line Length Ft / m	82/25	82/25	82/25	82/25	82/25	98/30	
	Maximum Height Ft / m	33/10	33/10	33/10	33/10	33/10	50/15	

\* Federal law allows the unit to be installed only in AK, CO, CT, ID, IL, IA, IN, KS, MA, ME, MI, MN, MO, MT, ND, NE, NH, NJ, NY, OH, OR, PA, RI, SD, UT, VT, WA, WV, WI, WY, and U.S. territories.

\*\* Federal law allows the unit to be installed only in AK, AL, AR, CO, CT, DC, DE, FL, GA, HI, ID, IL, IA, IN, KS, KY, LA, MA, ME, MD, MI, MN, MO, MS, MT, NC, ND, NE, NH, NJ, NY, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WA, WV, WI, WY, AND U.S. territories

# Multi-Zone Solutions

Matching one outdoor unit with a variety of multiple indoor units provides contractors unprecedented application flexibility.

Series	Outdoor	Capacity					Standard Controller	Optional Controller
		7K	9K	12K	18K	24K		
<b>Arctic Multi</b> (Page 28)	 2U20EH2 (2 Zone)	 AW07EH	 AW09EH	 AW12EH	 AW18EH	 AW24LC	 WJ01X24721*	QACT17A** YR-E16B** YR-E17**
		 AW07LC	 AW09LC	 AW12LC	 AW18LC			
	 3U24EH2 (3 Zone)	 AD07SL	 AD09SL	 AD12SL	 AW18EH	 AM24LP	 YR-E17	QACT17A YR-E16B
			 USYM09U	 USYM12U	 USYM18U	 USYM24U	Wired controller must be purchased separately	QACT17A YR-E16B YR-E17
	 4U36EH2 (4 Zone)		 AB09SC	 AB12SC	 AB18SC	 AL24LP	 WJ01X24721*	QACT17A YR-E16B YR-E17
			 USYF09U	 USYF12U	 USYF18U			
<b>FlexFit Multi</b> (Page 29)	 2U18MS2 (2 Zone)	 AW07LC	 AW09LC	 AW12LC	 AW18LC	 AW24LC	 WJ01X24721*	QACT17A** YR-E16B** YR-E17**
	 3U24MS2 (2-3 Zone)	 AD07SL	 AD09SL	 AD12SL	 AW18EH	 AM24LP	 YR-E17	QACT17A YR-E16B
			 USYM09U	 USYM12U	 USYM18U	 USYM24U	Wired controller must be purchased separately	QACT17A YR-E16B YR-E17
	 4U36MS2 (2-4 Zone)		 AB09SC	 AB12SC	 AB18SC	 AL24LP	 WJ01X24721*	QACT17A YR-E16B YR-E17
			 USYF09U	 USYF12U	 USYF18U			



Built-In WiFi

Compatible with WiFi Adapter (QAWF01A)

\*Remote controller WJ01X24721 and WJ26X27153 are shipped with indoor unit.  
\*\* Requires WK-B adapter.



Proper sizing and installation of equipment is critical to achieve optimal performance. Split system air conditioners and heat pumps must be matched with appropriate coil components to meet **ENERGY STAR**® Criteria. Ask your contractor for details or visit [www.energystar.gov](http://www.energystar.gov).



# Multi-Zone Matching Chart

## 2U18MS2VHB 2U20EH2VHA

Zones	Combinations		Total System Capacity
	Unit A	Unit B	
TWO ZONES	7K	7K	14K
	7K	9K	16K
	9K	9K	18K
	7K	12K	19K
	9K	12K	21K
	12K	12K	24K



Unit A

Unit B

## 3U24MS2VHB 3U24EH2VHB

Zones	Combinations			Total System Capacity
	Unit A	Unit B	Unit C	
TWO ZONE	—	7K	7K	14K
	—	7K	9K	16K
	—	9K	9K	18K
	—	7K	12K	19K
	—	9K	12K	21K
	—	12K	12K	24K
	—	7K	18K	25K
	—	9K	18K	27K
	—	12K	18K	30K
	—	—	—	—
THREE ZONE	7K	7K	7K	21K
	7K	7K	9K	23K
	7K	9K	9K	25K
	7K	7K	12K	26K
	9K	9K	9K	27K
	7K	9K	12K	28K
	9K	9K	12K	30K
	7K	12K	12K	31K*
	7K	7K	18K	32K*
	9K	12K	12K	33K*



Unit B

Unit C



Unit A

Unit B

Unit C

\* All indoor units must be FlexFit models

## 4U36MS2VHB 4U36EH2VHA

Zones	Combinations				Total System Capacity
	Unit A	Unit B	Unit C	Unit D	
TWO ZONE	—	—	9K	18K	27K
	—	—	12K	18K	30K
	—	—	7K	24K	31K
	—	—	9K	24K	33K
	—	—	12K	24K	36K
	—	—	18K	18K	36K
	—	—	24K	18K	42K
	—	—	24K	24K	48K*
	—	9K	9K	9K	27K
	—	7K	9K	12K	28K
	—	9K	9K	12K	30K
	—	7K	12K	12K	31K
	—	7K	7K	18K	32K
	—	9K	12K	12K	33K
	—	7K	9K	18K	34K
	—	9K	9K	18K	36K
	—	12K	12K	12K	36K
	—	7K	12K	18K	37K
	—	7K	7K	24K	38K
	—	9K	12K	18K	39K
	—	7K	9K	24K	40K
THREE ZONE	—	9K	9K	9K	42K
	—	12K	12K	18K	42K
	—	7K	12K	24K	43K
	—	9K	12K	24K	45K
	—	12K	12K	24K	48K*
	—	9K	18K	18K	45K*
	—	12K	18K	18K	48K*
	7K	7K	7K	7K	28K
	7K	7K	7K	9K	30K
	7K	7K	9K	9K	32K
	7K	7K	7K	12K	33K
	7K	9K	9K	9K	34K
	7K	7K	9K	12K	35K
	9K	9K	9K	9K	36K
	7K	9K	9K	12K	37K
	7K	7K	12K	12K	38K
	7K	7K	7K	18K	39K
	9K	9K	9K	12K	39K
	7K	9K	12K	12K	40K
	7K	7K	9K	18K	41K
	9K	9K	12K	12K	42K
FOUR ZONE	7K	9K	9K	18K	43K
	7K	12K	12K	12K	43K
	7K	7K	12K	18K	44K
	7K	7K	7K	24K	45K
	9K	9K	9K	18K	45K
	9K	12K	12K	12K	45K
	7K	7K	9K	24K	47K*
	9K	9K	12K	18K	48K*
	12K	12K	12K	12K	48K*
	—	—	—	—	—

### THREE ZONE



Unit B

Unit C

Unit D

### FOUR ZONE



Unit A

Unit B

Unit C

Unit D

\* All indoor units must be FlexFit models



## Multi-Zone Systems

Arctic features, benefits, and performance, available now for multi-zone applications.

With the integration of Haier Heat Plus technology, the Arctic Series provides an exceptional experience for year-round comfort. The system is capable of providing 100% rated heating capacity at 5°F and toasty warm air at -15°F.

## Specifications

**Compressor Type:**  
DC Inverter Driven Rotary

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

**Operating Range (°F):**



**2 Zones**



**3 Zones**



**4 Zones**



Outdoor Units		2U20EH2VHA	3U24EH2VHA	4U36EH2VHA
Cooling Non-Ducted	UPC	0-84691-83464-9	0-84691-83463-2	0-84691-85168-4
	Rated Capacity Btu/hr	18,100	22,000	34,000
	Capacity Range Btu/hr	7,000 - 20,000	6,000 - 23,600	6,000 - 38,000
	Rated Power Input W	1,448	1,760	2,740
Cooling Ducted	SEER/EER	17/12.5	18.5/12.5	20/12.5
	Rated Capacity Btu/hr	18,100	21,000	34,400
	Capacity Range Btu/hr	6,000 - 19,000	6,000 - 22,300	6,000 - 37,000
	Rated Power Input W	1,724	2,000	2,740
Heating Non-Ducted	SEER/EER	15/10.5	15/10.5	17/10
	Heating Capacity Range Btu/hr	8,000 - 2,3000	8,000 - 30,600	8,000 - 39,000
	Rated Heating Capacity 47°F Btu/hr	20,000	24,000	36,000
	COP	3.7	4.2	3.8
	Rated Heating Capacity 17°F Btu/hr	14,000	16,000	22,000
	Max. Heating Capacity 5°F Btu/hr	23,500	24,000	36,000
	Max. Heating Capacity -15°F Btu/hr	17,250	18,000	25,700
	Rated Power Input W	1,504	1,572	2,710
Heating Ducted	HSPF	11	11	11
	COP @ 5°F	2	2	2
	Heating Capacity Range Btu/hr	8,000 - 21,000	8,000 - 28,600	8,000 - 39,000
	Rated Heating Capacity 47°F Btu/hr	20,000	22,000	35,000
	COP	3.0	3.1	3.6
	Rated Heating Capacity 17°F Btu/hr	14,000	16,000	22,600
	Max. Heating Capacity 5°F Btu/hr	21,000	23,200	35,000
	Max. Heating Capacity -15°F Btu/hr	16,300	17,100	25,200
Power Supply	Rated Power Input W	2,255	2,230	2,710
	HSPF	10	9	11
	COP @ 5°F	2	2	2
Outdoor Unit	Wire Size between ID and OD	14/4 AWG Stranded	14/4 AWG Stranded	14/4 AWG Stranded
	Maximum Fuse Size A	25	25	40
	Minimum Circuit Amp A	15	16	30
	Base Pan Heater	Standard	Standard	Standard
	Outdoor Fan Speed RPM	300-900	300-900	300-900
	Outdoor Noise Level dB	56	56	55
	Dimension: Height in (mm)	33.1(840)	33.1(840)	38.0(965)
	Dimension: Width in (mm)	37.3(948)	37.3(948)	37.4(950)
Refrigerant Lines	Dimension: Depth in (mm)	13.4(340)	13.4(340)	14.6(370)
	Weight Ship/Net - lbs (kg)	202.3/185.6 (91.7/84.2)	205.9/189.5 (93.4/85.9)	241/221 (109.7/100.6)
	Connectable Indoor unit quantity	2	2 or 3	2, 3 or 4
	Connections	Flare	Flare	Flare
	Liquid O.D. in	1/4 1/4	1/4 1/4 1/4	1/4 1/4 1/4
	Suction O.D. in	3/8 3/8	3/8 3/8 1/2	3/8 3/8 3/8 1/2
	Factory Charge Oz	99	99	113
	Maximum Line Length Ft / m	164/50	196/60	230/70
Refrigerant Lines	Maximum Height Ft / m	50/15	50/15	50/15
	Maximum Line Length for each individual indoor unit Ft / m	82/25	82/25	82/25





## Multi-Zone Systems

3 outdoor units. 14 indoor units. 1,000+ combinations.

Haier FlexFit multi-zone systems can operate from 2 to 4 indoor units simultaneously with individual zone control. With outdoor units able to supply up to 48,000 BTU of heating/cooling capacity, the FlexFit Multi-Zone series gives you freedom like never before.

Scan this code with your smart device to learn more about FlexFit multi-zone mini-splits.



## Specifications

**Compressor Type:**  
DC Inverter Driven Rotary

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

**Operating Range (°F):**



2 Zones



3 Zones



4 Zones



Outdoor Units		2U18MS2VHB	3U24MS2VHB	4U36MS2VHB
Cooling Non-Ducted	UPC	6-88057-40542-1	6-88057-40543-8	6-88057-40544-5
	Rated Capacity Btu/hr	17,400	22,600	34,000
	Capacity Range Btu/hr	4,400 - 19,400	5,000 - 24,500	5,000 - 36,000
	Rated Power Input W	1,650	2,250	3,770
Cooling Ducted	SEER/EER	16/10.5	18/10	18/9
	Rated Capacity Btu/hr	15,000	21,000	31,000
	Capacity Range Btu/hr	4,400 - 19,400	5,000 - 23,000	5,000 - 34,000
	Rated Power Input W	1,760	2,416	3,590
Heating Non-Ducted	SEER/EER	16/8.5	16/8.5	16/8.5
	Heating Capacity Range Btu/hr	6,100 - 22,100	6,100 - 25,500	6,100 - 36,500
	Rated Heating Capacity 47°F Btu/hr	19,200	23,000	34,600
	COP	3.54	3.8	3.8
	Rated Heating Capacity 17°F Btu/hr	13,000	15,000	22,000
	Max. Heating Capacity 17°F Btu/hr	15,000	17,700	24,000
	Max. Heating Capacity -4°F Btu/hr	10,500	13,500	17,600
	Rated Power Input W	1,570	1,700	2,650
Heating Ducted	HSPF	9.0	10.0	10.0
	Heating Capacity Range Btu/hr	6,100 - 22,100	6,100 - 25,000	6,100 - 35,000
	Rated Heating Capacity 47°F Btu/hr	18,000	22,000	33,000
	COP	2.92	2.92	3.22
	Rated Heating Capacity 17°F Btu/hr	10,000	14,000	21,000
	Max. Heating Capacity 17°F Btu/hr	15,000	17,300	23,300
	Max. Heating Capacity -4°F Btu/hr	9,000	11,000	15,600
	Rated Power Input W	1,700	2,100	3,000
Power Supply	HSPF	8.5	8.5	9.0
	Wire Size between ID and OD	14/4 AWG Stranded	14/4 AWG Stranded	14/4 AWG Stranded
	Maximum Fuse Size A	25	25	30
Outdoor Unit	Minimum Circuit Amp A	15	18	23
	Outdoor Fan Speed RPM	300 - 900	300 - 900	300 - 900
	Outdoor Noise Level dB	53	54	56
	Dimension: Height in (mm)	27 1/16 (688)	28 3/4 (730)	33 1/16 (840)
	Dimension: Width in (mm)	31 7/8 (810)	33 7/8 (860)	37 5/16 (948)
	Dimension: Depth in (mm)	11 5/16 (288)	12 1/8 (308)	13 3/8 (340)
	Weight Ship/Net - lbs (kg)	102.5/95.9 (46.5/43.5)	123.4/116.8 (56/53)	191.8/167.5 (87/76)
Refrigerant Lines	Connectable Indoor unit quantity	2	2 or 3	2, 3 or 4
	Connections	Flare	Flare	Flare
	Liquid O.D. in	1/4 1/4	1/4 1/4 1/4	1/4 1/4 1/4 1/4
	Suction O.D. in	3/8 3/8	3/8 3/8 3/8	3/8 3/8 3/8 1/2
	Factory Charge Oz	49.5	74.0	113.0
	Maximum Line Length Ft / m	82/25	82/25	82/25
	Maximum Height Ft / m	50/15	50/15	50/15
	Maximum Line Length (each individual indoor unit) Ft / m	100/30	200/60	230/70

# Multi-Zone Indoor Units



Highwall Indoor	AW07EH2VHA	AW09EH2VHA	AW12EH2VHA	AW18EH2VHA
UPC	0-84691-84497-6	6-88057-40690-9	6-88057-40692-3	6-88057-40694-7
Rated Cooling Capacity Btu/hr	7,000	9,000	12,000	19,000
Rated Heating Capacity Btu/hr	10,000	12,000	16,500	20,400
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Airflow CFM (Turbo/H/M/L/Quiet)	420/360/300/240/180	470/410/350/290/230	440/410/380/311/260	710/650/560/440/410
Indoor Sound dB (Turbo/H/M/L/Quiet)	42/39/37/28/23	42/39/37/28/23	42/39/37/28/23	49/47/42/36/34
Dimension: H x W x D in (mm)	12 1/4 x 35 3/8 x 8 1/4 (310 x 900 x 210)	12 1/4 x 35 3/8 x 8 1/4 (310 x 900 x 210)	12 1/4 x 35 3/8 x 8 1/4 (310 x 900 x 210)	14 3/8 x 43 7/8 x 9 5/8 (336 x 1115 x 243)
Weight Ship/Net - lbs (kg)	30.9/25.3 (14/11.5)	30.9/25.3 (14/11.5)	30.9/25.3 (14/11.5)	45.4/37.5 (20.6/17)
Liquid /Suction O.D. in	1/4 3/8	1/4 3/8	1/4 3/8	1/4 1/2

Compatible with WiFi Adapter (QAWF01A)

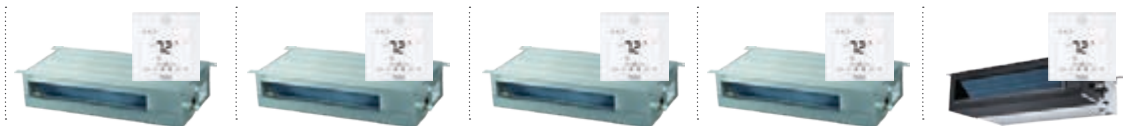


Highwall Indoor	AW07LC2VHB	AW09LC2VHB	AW12LC2VHB	AW18LC2VHB	AW24LP2VHA
UPC	6-88057-40706-7	6-88057-40707-4	6-88057-40708-1	6-88057-40709-8	6-88057-40806-4
Rated Cooling Capacity Btu/hr	7,000	9,000	12,000	18,000	22,000
Rated Heating Capacity Btu/hr	8,000	10,000	13,000	19,000	24,000
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Airflow CFM (Turbo/H/M/L/Quiet)	410/350/295/235/205	410/350/295/235/205	440/380/320/265/215	636/530/483/430/383	710/650/560/440/410
Indoor Sound dB (Turbo/H/M/L/Quiet)	43/38/33/26/22	43/38/33/26/22	44/39/34/27/23	48/45/40/35/30	49/47/42/36/34
Dimension: H x W x D in (mm)	11 x 33 5/8 x 8 1/16 (280 x 855 x 204)	11 x 33 5/8 x 8 1/16 (280 x 855 x 204)	11 x 33 5/8 x 8 1/16 (280 x 855 x 204)	12 3/4 x 39 1/4 x 9 1/4 (332 x 997 x 235)	13 1/4 x 43 7/8 x 9 9/16 (336 x 1115 x 243)
Weight Ship/Net - lbs (kg)	26.8/22 (12.2/10)	26.8/22 (12.2/10)	26.8/22 (12.2/10)	35.3/28.6 (16/13)	45.4/37.5 (20.6/17)
Liquid /Suction O.D. in	1/4 3/8	1/4 3/8	1/4 3/8	1/4 1/2	3/8 5/8

Compatible with WiFi Adapter (QAWF01A)



Cassette Indoor	AB09SC2VHA	AB12SC2VHA	AB18SC2VHA	AL24LP2VHA
UPC	6-88057-40546-9	6-88057-40547-6	6-88057-40548-3	6-88057-40812-5
Rated Cooling Capacity Btu/hr	9,000	12,000	18,000	24,200
Rated Heating Capacity Btu/hr	10,000	13,000	19,000	27,300
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Airflow CFM (Turbo/H/M/L/Quiet)	410/365/305/265/205	410/365/305/265/205	470/410/365/295/252	740/630/480/400
Indoor Sound dB (Turbo/H/M/L/Quiet)	42/40/36/32/25	42/40/36/32/25	45/42/40/36/32	38/35/32/29
Grille Model	PB-700KB	PB-700KB	PB-700KB	PB-950KB
Chassis Dimension: HxWxD in (mm)	10 1/4 x 22 7/16 x 2 3/8 (260 x 570 x 570)	10 1/4 x 22 7/16 x 2 3/8 (260 x 570 x 570)	10 1/4 x 22 7/16 x 2 3/8 (260 x 570 x 570)	9 5/8 x 33 1/8 x 33 1/8 (246 x 840 x 840)
Grille Dimension: HxWxD in (mm)	2 3/8 x 27 9/16 x 27 9/16 (60 x 700 x 700)	2 3/8 x 27 9/16 x 27 9/16 (60 x 700 x 700)	2 3/8 x 27 9/16 x 27 9/16 (60 x 700 x 700)	2 x 3 1/8 x 3 1/8 (50 x 950 x 950)
Weight Ship/Net - lbs (kg)	46.3/37.5 (21/17)	46.3/37.5 (21/17)	46.3/37.5 (21/17)	68.4/79.4 (31/36)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 1/2	3/8 5/8
Drainpipe Size O.D. in	1 1/4	1 1/4	1 1/4	1
Condensate Pump	Standard	Standard	Standard	Standard
Max. Drain-Lift Height in(mm)	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)	47 1/4(1200)



## Ducted Indoor

	AD07SL2VHB	AD09SL2VHB	AD12SL2VHB	AD18SL2VHB	AM24LP2VHA
UPC	6-88057-40716-6	6-88057-40717-3	6-88057-40718-0	6-88057-40719-7	6-88057-40808-8
Rated Cooling Capacity Btu/hr	7,000	9,000	12,000	18,000	24000
Rated Heating Capacity Btu/hr	8,000	10,000	13,000	19,000	27000
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Airflow CFM (Turbo/H/M/L/Quiet)	353/312/270/230/188	353/312/270/230/188	400/353/282/247/218	540/500/447/365/306	845/670/530/470
Max. Ext. Static Pressure in. W.G (Pa)	0.16 (40)	0.16 (40)	0.16 (40)	0.16 (40)	0.6 (150)
Indoor Sound dB (Turbo/H/M/L/Quiet)	35/33/29/26/21	35/33/29/26/22	38/35/29/26/23	31/29/23/29/25	38/35/32/29
Dimension: HxWxD in (mm)	7 5/16 x 33 7/16 x 16 9/16 (185x850x420)	7 5/16 x 33 7/16 x 16 9/16 (185x850x420)	7 5/16 x 33 7/16 x 16 9/16 (185x850x420)	7 5/16 x 46 1/16 x 16 9/16 (185x1170x420)	9 7/8 x 37 5/8 x 25 3/4 (250x957x655)
Weight Ship/Net - lbs (kg)	47.2/36.8 (21.4/16.7)	47.2/36.8 (21.4/16.7)	47.2/36.8 (21.4/16.7)	61.8/48.5 (28/22)	68.8/81.1 (31.2/36.8)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 3/8	1/4 1/2	3/8 5/8
Drainpipe Size O.D. in	1 1/4	1 1/4	1 1/4	1 1/4	1 1/4
Condensate Pump	Standard	Standard	Standard	Standard	Standard
Max. Drain-Lift Height in(mm)	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)	27 9/16 (700)

## Mid-Static Ducted Units

### FEATURES & BENEFITS:

- Built-in condensate pump
- Up to 0.6" wg external static
- Compatible with all wired controllers
- Dry contact for auxiliary heat available
- Dry contact for outside air damper available
- Supply air plenum kit available
- MERV filter box kit available



	USYM09UCDSA	USYM12UCDSA	USYM18UCDSA	USYM24UCDSA
UPC	0-84691-85155-4	0-84691-85156-1	0-84691-85157-8	0-84691-85158-5
Rated Cooling Capacity Btu/hr	9,000	12,000	18,000	24000
Rated Heating Capacity Btu/hr	10,000	13,000	19,000	25000
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1	208-230/60/1
Airflow (Turbo/High/Med/Low/Quiet) CFM	494/423/352/264	494/423/352/264	635/529/458/388	845/670/530/470
Max. External Static Pressure in.W.G (Pa)	0.6 (150)	0.6 (150)	0.6 (150)	0.6 (150)
Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	35/32/29/26	35/32/29/26	37/34/32/29	39/36/33/30
Chassis Dimension: HxWxD in (mm)	27.5/27.5/9.7(700/700/248)	27.5/27.5/9.7(700/700/248)	43.3/27.5/9.7(1100/700/248)	43.3/27.5/9.7(1100/700/248)
Weight Ship/Net - lbs (kg)	57/66(26/30)	57/66(26/30)	70/77 (32/35)	70/77 (32/35)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 3/8	3/8 5/8
Drainpipe Size O.D. in	5/8	5/8	5/8	5/8
Condensate Pump	Standard	Standard	Standard	Standard
Max. Drain-Lift height in(mm)	39(1000)	39(1000)	39(1000)	39(1000)

Note: MSP ducted units do not include controller.  
A controller must be ordered separately.



## Console Units

### FEATURES & BENEFITS:

- Mounted on floor or low wall installation
- Quiet operation
- Two-way air supply option



	USYF09UCDWA	USYF12UCDWA	USYF18UCDWA
UPC	0-84691-85152-3	0-84691-85153-0	0-84691-85154-7
Rated Cooling Capacity Btu/hr	9,000	12,000	15,000
Rated Heating Capacity Btu/hr	10,000	13,000	18,000
Voltage, Cycle, Phase V/Hz/-	208-230/60/1	208-230/60/1	208-230/60/1
Airflow (Turbo/High/Med/Low/Quiet) CFM	264/235/205/176/147	294/264/205/176/147	341/311/282/252/223
Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	40/32/25/20	42/34/26/21	46/37/33/28
Chassis Dimension: HxWxD in (mm)	23.6/27.5/8.7 (600/700/220)	23.6/27.5/8.7 (600/700/220)	23.6/27.5/8.7 (600/700/220)
Weight Ship/Net - lbs (kg)	36/40 (16.5/18.5)	36/40 (16.5/18.5)	36/40 (16.5/18.5)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 1/2
Drainpipe Size O.D. in	5/8	5/8	5/8





**The Most Advanced Smart Appliances And Service Company Designed To Make Our Owners' Lives Easier, Provide Peace Of Mind and Enhance Performance.**



## **CONVENIENCE**

We make life easier, simplifying everyday activities and chores — whether you're preheating your oven on the way home from soccer practice or using your voice to start your Highwall on the way out the door.

## **PEACE OF MIND**

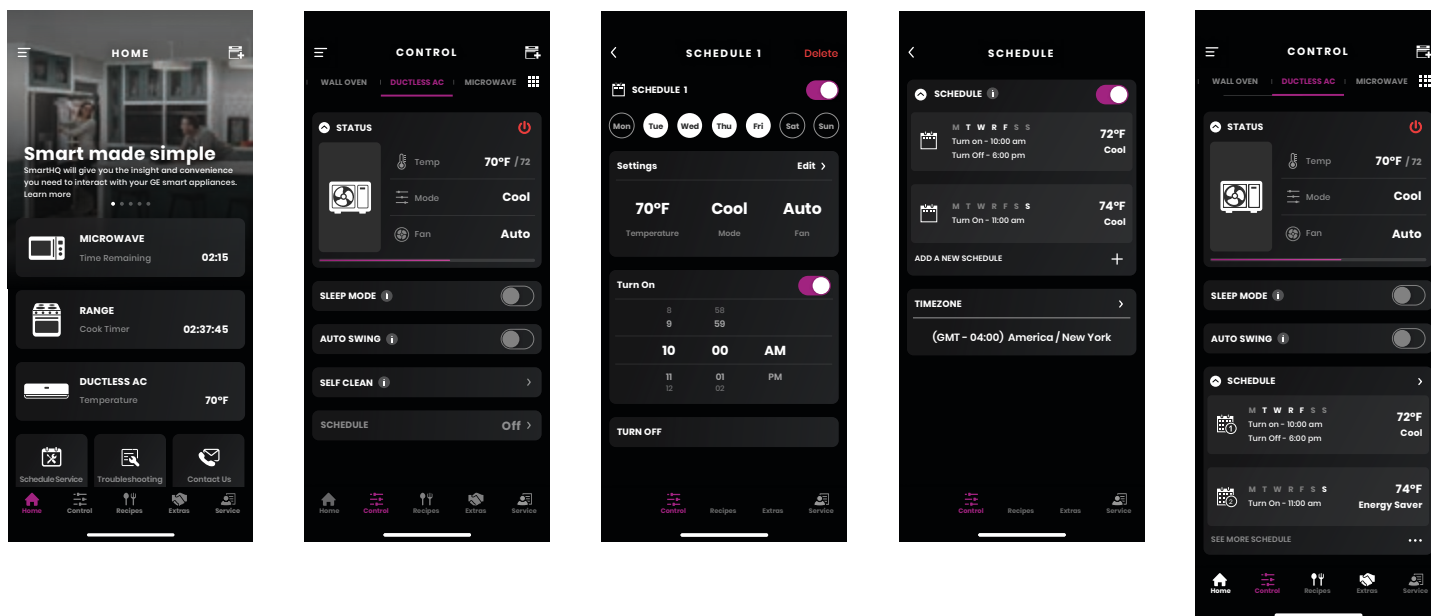
Our features keep you in control, no matter where you are — no more wondering if you left the oven on.

## **PERFORMANCE**

Our appliances evolve with your changing needs — accepting over-the-air (OTA) updates that can improve performance, add new features, or fix potential issues.

## The convenience of controlling your system from anywhere, at any time!

Download the **SMART HQ APP** to a smart device, link the equipment to the smart device, and follow the easy set-up instructions.



### BUILT-IN WIFI (Accessory WiFi Module not required.)

NextGen Arctic Series	Tempo Series	FlexFit Series Ducted	FlexFit Series Console
AW09EH2VHD	AW09TE2VHA	USYF09UCDSA	USYF09UCDWA
AW12EH2VHD	AW12TE2VHA	USYF12UCDSA	USYF12UCDWA
AW18EH2VHD		USYF18UCDSA	USYF18UCDWA
		USYF24UCDSA	

### SMART HQ COMPATIBLE (Requires accessory WiFi Module QAWF01A, not included. See below.)

Arctic Series	Tempo Series	Advanced Plus Series	FlexFit Series
AW09EH2VHA	AW09TE1VHA	AW09ES2VHB	AW07LC2VHB
AW12EH2VHA	AW12TE1VHA	AW12ES2VHB	AW09LC2VHB
AW18EH2VHA	AW18TE2VHA	AW18ES2VHB	AW12LC2VHB
	AW24TE2VHA	AW24ES2VHB	AW18LC2VHB
			AW24LP2VHA
			AW36LP2VHA

### ACCESSORY WIFI MODULE

Model Number	Description
QAWF01A	WiFi Module for Highwall Indoor



## GETTING STARTED

To connect your indoor unit, you'll need the **SMART HQ App**. The app will walk you through the connection process. Download from the App Store or Google Play.





# Controllers and Accessories

## Controllers

Haier controls allow you to take command of your environment. With convenient user-friendly button layouts and clear graphic displays, the system can be easily set to meet and maintain all comfort needs.

### Wired Mounted Remote Controllers



Color screen wired controller optional for Next Gen Arctic, Advanced Plus, FlexFit Wall mount/cassette/ slim duct



Wired controller is shipped with Slim Duct and High Static Duct. Optional for Next Gen Arctic, Advanced Plus, and FlexFit Wall Mount or Cassettes.

	YR-E16B	QACT17A
Power Supply	12V AC	12V AC
Controllable Indoor Groups	Up to 16	Up to 16
On/Off	•	•
Modes	Auto-Cool-Dry-Heat-Fan-Auto	Auto-Cool-Dry-Heat-Fan-Auto
Precise Temperature Control +/- 1F (+/- 0.5C)	•	•
Fan Speed Adjustment	•	•
Turbo	•	•
Quiet	•	•
Airflow Direction - Up Down	•	•
Airflow Direction - Left Right	•	•
Four-Way Cassette Blade Control	•	•
Indoor Temperature Display	•	•
Filter Change Reminder	500 hr	500 hr
Clock	•	•
Error Code Reporting/Recording	•	•
Control Lock	•	•
Daily Program	•	•
Weekly Program	•	•
Sleep	•	•
Backlight	•	•
Fahrenheit/Celsius Display	•	•
Temperature Range Limit	•	•
Temperature Compensation	•	•
Static Pressure Setting	•	•
Groups Setting	•	•
Password	•	•

### Wireless Hand-Held Controllers



Ships with Highwall equipped with motion sensor



Ships with large Cassette



Ships with Highwall and compact Cassette



Cool only remote (optional for purchase separately)

	WJ26X27153	YR-HBS01	WJ01X24721	UCT30RWA
24-Hour Time		•		
Individual Control	•	•	•	•
Backlight	•	•	•	•
Up & Down Louver Oscillating Control	•	•	•	•
Left & Right Louver Oscillating Control	•	•	•	•
Four-Way Cassette Air Supply Control		•		
Child Lock	•	•	•	•
Indoor LED Display On/Off	•	•	•	•
Fahrenheit/Celsius Display	•	•	•	•
Precise Temperature Control +/- 1F (+/- 0.5C)	•	•	•	•
Motion Sensor	•			

\*Remote controller WJ01X24721 and WJ26X27153 are shipped with indoor unit.



#### WK-B

Wired controller interface kit, required when installing wired controllers YR-E17, YR-E16B or QACT17A on some highwall models (check product submittal for individual model requirements).

## Cassette Panels



**PB-700KB**

Panel for 2'x2' cassette  
Must order PB-700KB separately with the purchase of compact cassette models:  
AB09SC2VHA  
AB12SC2VHA  
AB18SC2VHA



**PB-950KB**

Panel for 3'x3' cassette  
Must order PB-950KB separately with the purchase of large cassette models:  
AL24LP2VHA  
AL36LP2VHA  
AL48LP2VHA

## Supply Plenums



**UAPT0912A**

Supply Plenum for  
MSP Duct Indoor 09K, 12K  
Fits on the following Models:  
USYM09UCDSA  
USYM12UCDSA



**UAPT1824A**

Supply Plenum for  
MSP Duct Indoor 18K and 24K Fits  
on the following Models:  
USYM18UCDSA  
USYM24UCDSA

## Return & Supply Air Grilles



**PAD0890RA**

Optional return air grille for Slim Duct models:  
AD07SL2VHB  
AD09SL2VHB  
AD12SL2VHB

**PAD1210RA**

Optional return air grille for Slim Duct model:  
AD18SL2VHB

**PAD0890SA**

Optional supply air grille for slim duct models:  
AD07SL2VHB  
AD09SL2VHB  
AD12SL2VHB

**PAD1210SA**

Optional supply grille for Slim Duct model:  
AD18SL2VHB

## MERV Return Air Filter Boxes



**UAMFB0912A**

Merv Return Air Filter Box for  
MSP Duct Indoor 09K and 12K Fits  
on the following Models:  
USYM09UCDSA  
USYM12UCDSA



**UAMFB1824A**

Merv Return Air Filter Box for  
MSP Duct 18 And 24K  
Fits on the following Models:  
USYM18UCDSA  
USYM24UCDSA

# Accessories

## Wind Baffle

Required for low ambient cooling performance for mechanical or server room applications, and recommended when unit is installed facing prevailing winds.

### Features and Benefits

- Increases unit reliability and performance in extremely cold temperatures.
- Prevents outdoor fan counter-rotation.
- Helps keep snow and ice from clogging the outdoor coil.
- Protects the outdoor coil from high winds.
- Easy installation.
- Reduce indoor temperature fluctuation.



Wind Baffles are compatible with these outdoor units:

Series	Outdoor Model #	Wind Baffle Model #
Tempo	1U09TE1VHA	QAWB41A
	1U12TE1VHA	QAWB41A
	1U18TE2VHA	QAWB37A
	1U24TE2VHA	QAWB45A
FlexFit	2U18MS2VHB	QAWB43A
	3U24MS2VHB	QAWB44A
	4U36MS2VHB	QAWB40A
	1U18LC2VHA	QAWB43A
	1U24LP2VHA	QAWB38A
	1U36LP2VHA	QAWB38A
	1U48LP2VHA	QAWB38A (requires 2)
Arctic	1U09EH2VHA	QAWB39A
	1U12EH2VHA	
	1U18EH2VHA	QAWB45A

Series	Outdoor Model #	Wind Baffle Model #
Next Gen Arctic	1U09EH2VHD	QAWB37A
	1U12EH2VHD	
	1U18EH2VHD	QAWB45A
Arctic Multi	2U20EH2VHA	UAWB46A
	3U24EH2VHA	
	4U36EH2VHA	
Advanced Plus	1U09ES2VHA	QAWB42A
	1U09AP2VHA	
	1U12ES2VHA	QAWB42A
	1U12AP2VHA	
	1U15AP2VHA	QAWB37A
	1U18ES2VHA	
	1U18AP2VHA	
	1U24ES2VHA	QAWB45A
	1U24ES2VHA	

The wind baffle and snow hood are fabricated from durable 20 gauge G90 galvanized steel. Both accessories are engineered to provide optimal performance when operating the outdoor unit in cold, harsh climates.

## Snow Hood (Hail Guard)

Strongly recommend for cold climate heating and cooling applications.

### Features and Benefits

- Reduces defrost cycles.
- Helps maintain a comfortable indoor temperature.
- Easy installation.
- Helps keep snow and ice from clogging the outdoor coil.

Series	Outdoor Model #	Snow Hood Model #
Arctic Multi	2U20EH2VHA	UAWB80A
	3U24EH2VHA	
	4U36EH2VHA	



COMPATIBILITY CHART

	TEMPO	ADVANCED PLUS	ARCTIC	NEXT GEN ARCTIC	FLEXFIT SINGLE	FLEXFIT MULTI	ARCTIC MULTI
OUTDOOR UNITS	1U09TE1VHA	1U09AP2VHA	1U09EH2VHA	1U09EH2VHD/E		2U18MS2VHB	2U20EH2VHA
	1U12TE1VHA	1U12AP2VHA	1U12EH2VHA	1U12EH2VHD/E		3U24MS2VHB	3U24EH2VHA
	1U09TE2VHA	1U15AP2VHA	1U18EH2VHA	1U18EH2VHD/E	1U24LP2VHA	4U36MS2VHB	4U36EH2VHA
	1U12TE2VHA	1U18AP2VHA			1U36LP2VHA		
	1U18TE2VHA	1U24AP2VHA			1U48LP2VHA		
	1U24TE2VHA						

COMPATIBLE HIGH WALL INDOOR UNITS

INDOOR UNITS	TEMPO	ADVANCED PLUS	ARCTIC	NEXT GEN ARCTIC	FLEXFIT SINGLE	FLEXFIT MULTI	ARCTIC MULTI
AW09TE1VHA	✓						
AW12TE1VHA	✓						
AW09TE2VHA	✓						
AW12TE2VHA	✓						
AW18TE2VHA	✓						
AW24TE2VHA	✓						
AW09ES2VHB		✓					
AW12ES2VHB		✓					
AW15ES2VHB		✓					
AW18ES2VHB		✓					
AW24ES2VHB		✓					
AW09EH2VHD				✓			
AW12EH2VHD				✓			
AW18EH2VHD				✓			
AW07EH2VHA							✓
AW09EH2VHA			✓				✓
AW12EH2VHA			✓				✓
AW18EH2VHA			✓				✓
AW07LC2VHB						✓	✓
AW09LC2VHB						✓	✓
AW12LC2VHB						✓	✓
AW18LC2VHB						✓	✓
AW24LP2VHA					✓	✓	✓
AW36LP2VHA					✓		

### COMPATIBILITY CHART (CASSETTE, SLIM DUCT, MSP DUCT, CONSOLE)

	TEMPO	ADVANCED PLUS	ARCTIC	NEXT GEN ARCTIC	FLEXFIT SINGLE	FLEXFIT MULTI	ARCTIC MULTI
OUTDOOR UNITS	1U09TE1VHA	1U09AP2VHA	1U09EH2VHA	1U09EH2VHE		2U18MS2VHB	2U20EH2VHA
	1U12TE1VHA	1U12AP2VHA	1U12EH2VHA	1U12EH2VHE		3U24MS2VHB	3U24EH2VHA
	1U09TE2VHA	1U15AP2VHA	1U18EH2VHA	1U18EH2VHE	1U24LP2VHA	4U36MS2VHB	4U36EH2VHA
	1U12TE2VHA	1U18AP2VHA			1U36LP2VHA		
	1U18TE2VHA	1U24AP2VHA			1U48LP2VHA		
	1U24TE2VHA						

#### COMPATIBLE CASSETTE INDOOR UNITS

INDOOR UNITS	TEMPO	ADVANCED PLUS	ARCTIC	NEXT GEN ARCTIC	FLEXFIT SINGLE	FLEXFIT MULTI	ARCTIC MULTI
AB09SC2VHA				✓		✓	✓
AB12SC2VHA				✓		✓	✓
AB18SC2VHA				✓		✓	✓
AL24LP2VHA					✓	✓	✓
AL36LP2VHA					✓		
AL48LP2VHA					✓		

#### COMPATIBLE SLIM DUCT INDOOR UNITS

INDOOR UNITS	TEMPO	ADVANCED PLUS	ARCTIC	NEXT GEN ARCTIC	FLEXFIT SINGLE	FLEXFIT MULTI	ARCTIC MULTI
AD07SL2VHB						✓	✓
AD09SL2VHB						✓	✓
AD12SL2VHB						✓	✓
AD18SL2VHB						✓	✓

#### COMPATIBLE INDOOR MID STATIC DUCT UNITS

INDOOR UNITS	TEMPO	ADVANCED PLUS	ARCTIC	NEXT GEN ARCTIC	FLEXFIT SINGLE	FLEXFIT MULTI	ARCTIC MULTI
USYM09UCDSA				✓		✓	✓
USYM12UCDSA				✓		✓	✓
USYM18UCDSA				✓		✓	✓
USYM24UCDSA						✓	✓

#### COMPATIBLE HIGH STATIC DUCT INDOOR UNITS

INDOOR UNITS	TEMPO	ADVANCED PLUS	ARCTIC	NEXT GEN ARCTIC	FLEXFIT SINGLE	FLEXFIT MULTI	ARCTIC MULTI
AM24LP2VHA					✓	✓	✓
AM36LP2VHA					✓		
AM48LP2VHA					✓		

#### COMPATIBLE CONSOLE INDOOR UNITS

INDOOR UNITS	TEMPO	ADVANCED PLUS	ARCTIC	ARCTIC (NEXT GEN)	FLEXFIT SINGLE	FLEXFIT MULTI	ARCTIC MULTI
USYF09UCDWA				✓		✓	✓
USYF12UCDWA				✓		✓	✓
USYF18UCDWA				✓		✓	✓



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