

Haier



Ductless Selection Guide



Single Zone



Multi-Zone



GE APPLIANCES
a Haier company

2019

Why Haier?

Global Position	1
Research & Development	1
North American Presence	2
Comfort Made Easy	2

The Haier Ductless Advantage


Ductless Performance & Flexibility


Multi-Zone Compatibility Matrix


Equipment Matchup Quick Reference


Single Zone	6
Multi-Zone	7


 Tempo Series	
Single Zone Systems	8

 Advanced Series	
Single Zone Systems	10

 Advanced Plus Series	
Single Zone Systems	12

 Arctic Series	
Single Zone Systems	14
Multi-Zone Systems	16

 FlexFit Series	
Single Zone Systems	18
Multi-Zone Systems	20

 FlexFit Pro Series	
Single Zone Systems	22

Controllers & Accessories

Controllers	24
High Wall WiFi Adapter	25
Ductless Wind Baffle	26
Panels	27
Return Air Grilles	27
Supply Air Grilles	27

Model Number Nomenclature

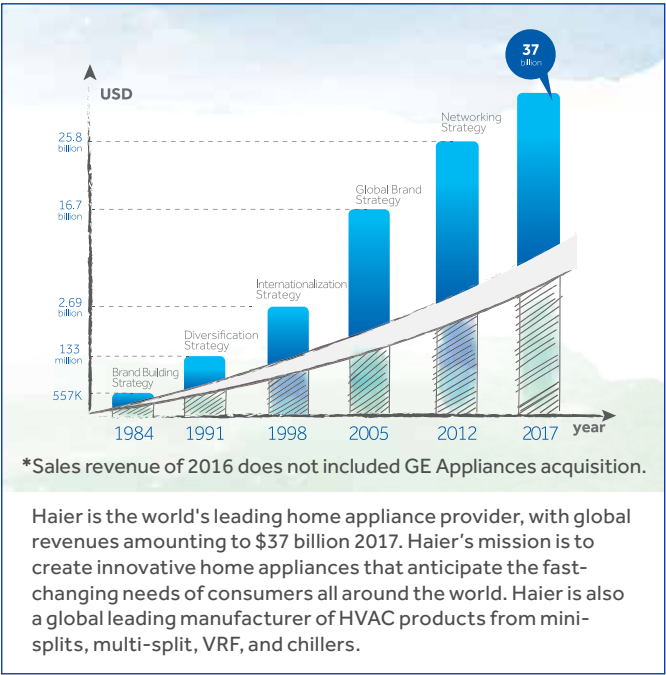
Haier Ductless Help App

Why Haier?

Global Position

Customers look to you to provide them with the best HVAC solutions at the best value. As a 30+ billion dollar company with a global reach and an infrastructure of R&D centers, production facilities, and sales networks, we have the capacity to produce over 20 million units per year. We are committed to developing new product technologies to fill your customer's growing heating & cooling demands in fresh and exciting ways.

The pace of business has quickened, so our state-of-the-art solutions help you stay ahead of your competition.



Research & Development

Our five Research & Development centers, located in key global markets including the US and Canada, help us create and maintain strategic partnerships with first-class suppliers, research institutions, and universities. These partnerships allow us to establish an innovative collaboration of scientists and engineers connected by virtual and physical networks.



Haier's flagship 220,000 square foot R&D center houses over 120 laboratories, a psychrometric lab, a compressor calorimeter lab, acoustic and vibration labs, EMC (Electro-Magnetic Compatibility) labs, and a material and chemistry lab. This R&D center also includes the world tallest "drop tower". Standing 350 feet tall, the drop tower is used for developing and testing long refrigerant piping capabilities.



Reliability Testing



Acoustic Testing



Performance Testing

Haier's User Experience Center exposes different types of HVAC systems to a variety of simulated weather conditions. While maintaining a comfortable indoor air temperature, outdoor weather conditions can be adjusted from sun to rain, snow or wind, and to temperatures between -30°F to 140°F with relative humidity from 0% to 100%.



Extreme Cold Testing



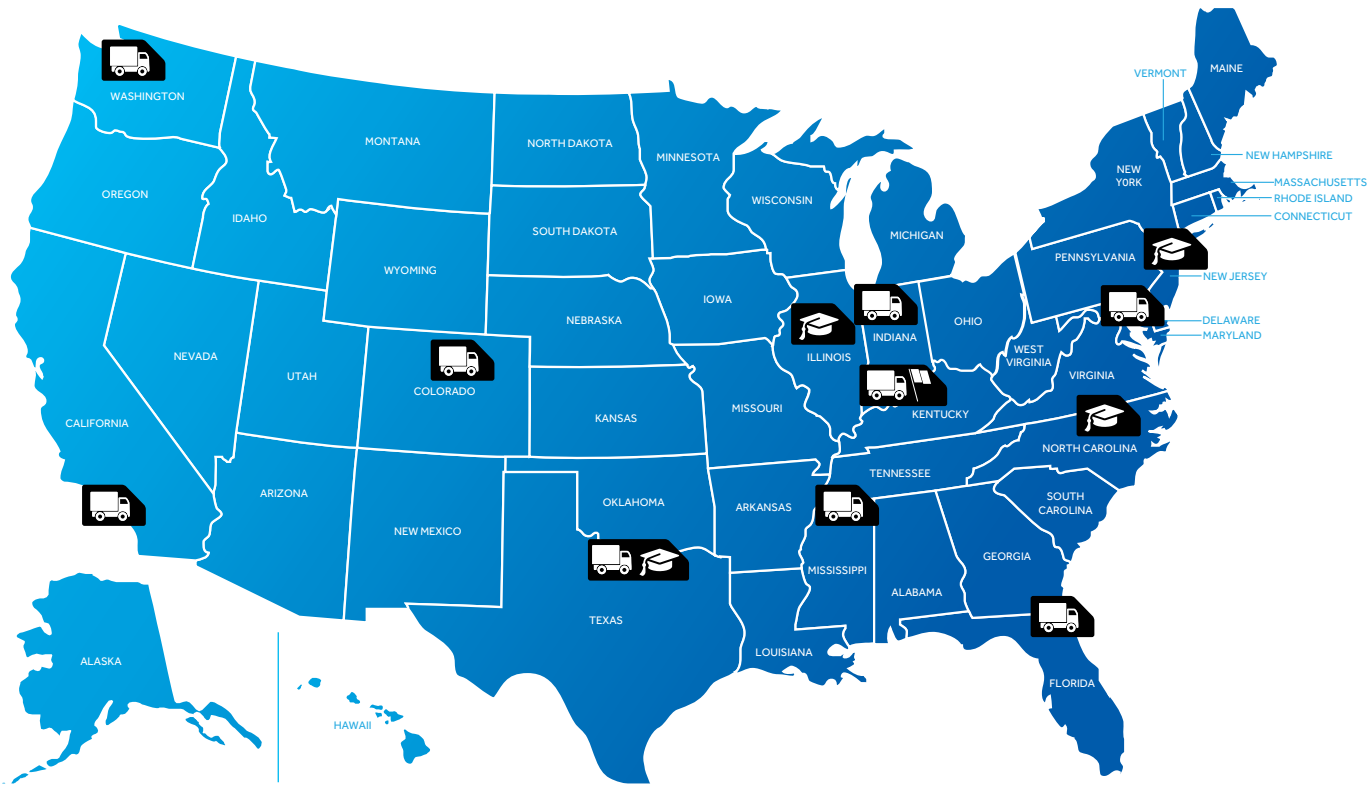
Extreme Moisture Testing



Extreme Heat Testing

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

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



Training Centers:

- Dallas, TX
- Peru, IL
- Raleigh, NC
- Wayne, NJ

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 comfort systems. Multi-zone ductless systems allow more comfort control throughout the home or office with higher energy efficiency than a central HVAC system. In addition, ductless systems eliminate the energy losses associated with the ductwork of traditional air conditioning systems. Duct losses can account for more than 30% of energy consumption costs.

Smart



WiFi

The convenience of High Wall indoor unit control via smart device by simply plugging in a USB WiFi module. Download the Haier Home App to an Apple or Android smart device, and link the equipment to the smart device for system control from whenever and wherever the user wants! Compatible with Google Assistant and Amazon Alexa.



Efficiency



Energy-Saving Technologies

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

Performance



Temperature Precision

Maintains 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.



Temperature Stability

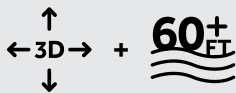
Room temperatures stay closer to the desired level at all times. Cool/Heat Auto Changeover quickly compensates for temperature changes while Low Ambient Cooling and Heating Limits deliver great performance in extreme weather conditions.

Air Quality



Allergens and Odor Control

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 simulates both horizontal and vertical movement, carried throughout the space by the Long Distance Airflow (60+ ft.) capability.

Ductless Performance & Flexibility



Tempo Series

Our 16 SEER/9 HSPF entry-level ductless Tempo Series offers efficiency and value with outstanding inverter technology performance. Capable of heating down to -4°F(-20°C), cooling up 115°F(46°C), and available with capacities of 9,000 BTU, 12,000 BTU, 18,000 BTU, and 24,000 BTU. 9,000 BTU and 12,000 BTU units are 115V for easy electrical installation in applications like sunrooms and garages.

- Single zone options (1 indoor unit/1 outdoor unit) ideal for home additions.
- 18,000 BTU and 24,000 BTU units feature WiFi accessory compatibility.



Advanced & Advanced Plus Series

Our Energy Star rated Advanced and Advanced Plus Series are the ultimate combination of performance and comfort. Our Advanced Series systems deliver the highest efficiencies (up to 23.5 SEER) and quietest operation - down to a whispering 23 dB(A). Available capacities are 9,000 BTU, 12,000 BTU, 15,000 BTU, 18,000 BTU, and 24,000 BTU.

- A great choice for applications with Energy Star building requirements.
- Popular in states with stringent energy use regulations.
- Premium air quality and airflow with adjustable air blades for up, down, left & right air throw control.
- Single zone options (1 indoor unit/1 outdoor unit) ideal for home additions.
- All units feature WiFi accessory compatibility.



Arctic Series

Our premier Arctic Series heat pumps, with innovative inverter technology, can effectively reduce a homeowner's 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 -22°F.

- Ideal for colder regions requiring auxiliary heating systems.
- While offered only as an accessory by competitors, our outdoor unit base pan heater comes standard to prevent ice buildup.
- All wall mount units feature WiFi accessory compatibility.
- Single zone options (1 highwall unit/1 outdoor unit) ideal for home additions.
- Multi-zone options (up to 3 indoor units/1 outdoor unit) for individually zoned comfort needs including wall mount, slim duct, and cassette models.



FlexFit & FlexFit Pro Series


FlexFit™ is our top-of-the-line modular system that allows an optimal combination of ductless indoor and outdoor units up to 18 SEER. Designed with cost-effectiveness in mind, Haier FlexFit ductless systems provide a solution to mix-and-match the same indoor units to both single-zone and multi-zone outdoor units, effectively reducing the time and cost of inventory management.

- Each FlexFit multi-zone outdoor unit is compatible with every FlexFit multi-zone indoor unit
- Indoor unit options include wall mount, slim duct, and cassette type models for varying home or office application requirements.
- Single zone options (1 indoor unit/1 outdoor unit) ideal for home additions.
- Multi-zone options (up to 4 indoor units/1 outdoor unit) for individually zoned comfort needs
- All wall mount units feature WiFi accessory compatibility.



Multi-Zone Compatibility Matrix



2U18MS2VHB
2U20EH2VHA



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

3U24MS2VHB
3U24EH2VHA

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

* All indoor units must be FlexFit models

4U36MS2VHB

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



Equipment Matchup Quick Reference



Single Zone Systems

Series	Capacity	Outdoor	Indoor	Standard Controller	Optional Controller
Tempo Wallmount (Page 8) 	9K	1U09TE1	AW09TE1		YR-E17 QACT17A YR-E16B
	12K	1U12TE1	AW12TE1		
	18K	1U18TE2	AW18TE2 		
	24K	1U24TE2	AW24TE2 		
Advanced Wallmount (Page 10) 	9K	1U09ES2	AW09ES2 		YR-E17 QACT17A YR-E16B
	12K	1U12ES2	AW12ES2 		
	18K	1U18ES2	AW18ES2 		
	24K	1U24ES2	AW24ES2 		
NEW! Advanced Plus Wallmount (Page 12) 	9K	1U09AP2	AW09ES2 		YR-E17 QACT17A YR-E16B
	12K	1U12AP2	AW12ES2 		
	15K	1U15AP2	AW15ES2 		
	18K	1U18AP2	AW18ES2 		
	24K	1U24AP2	AW24ES2 		
Arctic Wallmount (Page 14) 	9K	1U09EH2	AW09EH2 		YR-E17 QACT17A YR-E16B
	12K	1U12EH2	AW12EH2 		
	18K	1U18EH2	AW18EH2 		
FlexFit Wallmount (Page 18) 	12K	1U12LC2	AW12LC2 		YR-E17 QACT17A YR-E16B
	18K	1U18LC2	AW18LC2 		
FlexFit Slim Duct (Page 18) 	12K	1U12LC2	AD12SL2		QACT17A YR-E16B
	18K	1U18LC2	AD18SL2		
FlexFit 4-Way Cassette (Page 18) 	12K	1U12LC2	AB12SC2		YR-E17 QACT17A YR-E16B
	18K	1U18LC2	AB18SC2		
FlexFit Pro Wallmount (Page 22) 	24K	1U24LP2	AW24LP2 		YR-E17 QACT17A YR-E16B
	36K	1U36LP2	AW36LP2 		
FlexFit Pro Medium ESP Duet (Page 22) 	24K	1U24LP2	AM24LP2		QACT17A YR-E16B
	36K	1U36LP2	AM36LP2		
	48K	1U48LP2	AM48LP2		
FlexFit Pro Round Way Cassette (Page 22) 	24K	1U24LP2	AL24LP2		YR-E17 QACT17A YR-E16B
	36K	1U36LP2	AL36LP2		
	48K	1U48LP2	AL48LP2		

 Compatible with WiFi Adapter

 Compatible with WiFi Adapter (VHB units only)

Multi-Zone Systems



Powered by a single outdoor unit, yet able to set different temperatures in different spaces via separate indoor units, Haier multi-zone ductless systems give contractors an unprecedented level of freedom

Series	Outdoor	Capacity					Standard Controller	Optional Controller	
		7K	9K	12K	18K	24K			
<div><div>NEW!</div><div>Arctic Multi</div><div>(Page 16)</div></div>	<div><div>2U20EH2 (2 Zone)</div><div></div></div>	<div></div> <div>AW07LC </div>	<div></div> <div>AW09LC </div>	<div></div> <div>AW12LC </div>	<div></div> <div>AW18LC </div>	<div><div>YR-HG</div></div>	<div>YR-E17 QACT17A YR-E16B</div>		
		<div></div> <div>AW07EH </div>	<div></div> <div>AW09EH </div>	<div></div> <div>AW12EH </div>	<div></div> <div>AW18EH </div>			<div><div>YR-HG</div></div>	<div>YR-E17 QACT17A YR-E16B</div>
	<div><div>3U24EH2 (3 Zone)</div><div></div></div>	<div></div> <div>AD07SL</div>	<div></div> <div>AD09SL</div>	<div></div> <div>AD12SL</div>	<div></div> <div>AD18SL</div>	<div><div>YR-E17</div></div>	<div>QACT17A YR-E16B</div>		
		<div></div> <div>AB09SC</div>	<div></div> <div>AB12SC</div>	<div></div> <div>AB18SC</div>	<div><div>YR-HG</div></div>			<div>YR-E17 QACT17A YR-E16B</div>	
	<div><div>FlexFit Multi</div><div>(Page 20)</div></div>	<div><div>2U18MS2 (2 Zone)</div></div>	<div></div> <div>AW07LC </div>	<div></div> <div>AW09LC </div>	<div></div> <div>AW12LC </div>	<div></div> <div>AW18LC </div>	<div></div> <div>AW24LP </div>	<div><div>YR-HG</div></div>	<div>YR-E17 QACT17A YR-E16B</div>
		<div><div>3U24MS2 (3 Zone)</div></div>	<div></div> <div>AD07SL</div>	<div></div> <div>AD09SL</div>	<div></div> <div>AD12SL</div>	<div></div> <div>AD18SL</div>	<div></div> <div>AM24LP</div>	<div><div>YR-E17</div></div>	<div>QACT17A YR-E16B</div>
<div><div>4U36MS2 (4 Zone)</div></div>			<div></div> <div>AB09SC</div>	<div></div> <div>AB12SC</div>	<div></div> <div>AB18SC</div>	<div></div> <div>AL24LP</div>	<div><div>YR-HG</div></div>	<div>YR-E17 QACT17A YR-E16B</div>	

 Compatible with WiFi Adapter

 Compatible with WiFi Adapter (VHB units only)

Tempo Series

Single Zone Systems

Haier



A good choice for an introduction to inverter technology, the Tempo series offers efficiency at 16 SEER and 9 HSPF. Heating at -4°F(-20°C) and cooling at 115°F(46°F). 9,000 and 12,000 BTU units use 115V power supply, easy for electric connection.

Key Features

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

DRY
DRY FUNCTION
Reduces indoor humidity level

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

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

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

CHILD LOCK
Prevents unintended and unsupervised use

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

115V EASY ELECTRIC WIRING
9k and 12k are 115V, easy electric wiring

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

2-WAY PIPING DRAIN
Allows installer to drain the condensate from either the left or right side, making installation easier

Tempo
SERIES



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



Tempo
SERIES

Specifications

Compressor Type:
DC Inverter Driven Rotary

Voltage/Cycle/Phase:
9K, 12K: 115/60/1
18K, 24K: 208-230/60/1

Operating Range (°F):
-22 -15 -4 0 5 14 75 115
Heating Cooling



WIFI
Compatible with
WiFi Adapter (QAWF01A)

WIFI
Compatible with
WiFi Adapter (QAWF01A)

	09TE	12TE	18TE	24TE
Outdoor Unit	1U09TE1VHA	1U12TE1VHA	1U18TE2VHA	1U24TE2VHA
Indoor Unit	AW09TE1VHA	AW12TE1VHA	AW18TE2VHA	AW24TE2VHA
Cooling	Rated Capacity Btu/hr	9,000	12,000	18,000
	Capacity Range Btu/hr	3,800-12,000	4,100-12,500	5,000-19,000
	Rated Power Input W	810	1,200	1,650
	SEER/EER	16/11.0	16/11.0	16/10.0
Heating	Moisture Removal gal./hr.	0.31	0.42	0.73
	Rated Heating Capacity 47°F Btu/hr	10,000	12,000	19,000
	Heating Capacity Range Btu/hr	4,100-12,000	4,500-16,000	5,400-22,000
	Rated Power Input W	850	1,000	1,700
	HSPF	9.0	9.0	9.0
	Rated Heating Capacity 17°F Btu/hr	5,600	7,800	11,200
	Max. Heating Cap. 17°F (-8°C) Btu/hr	8,200	10,000	15,500
Outdoor Unit	Heating Cap. 5°F (-15°C) Btu/hr	6,600	8,000	12,400
	Heating Cap. -4°F (-20°C) Btu/hr	5,100	6,200	9,500
	Maximum Fuse Size A	20	20	25
	Minimum Circuit Amp A	18	18	19
	Outdoor Noise Level dB	47	50	56
	Dimension: Height in (mm)	21 1/4 (540)	21 1/4 (540)	27 7/16 (697)
	Dimension: Width in (mm)	30 11/16 (780)	30 11/16 (780)	35 (890)
	Dimension: Depth in (mm)	9 5/8 (245)	9 5/8 (245)	13 7/8 (353)
	Weight (Ship/Net)- lbs (kg)	66.2/58.4 (30/26.5)	71.7/63.9 (32.5/29)	105.8/97.0 (48.0/44.0)
	Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto
Indoor Unit	Airflow CFM (Turbo/High/Med/Low/Quiet)	305/295/280/265/240	310/300/287/275/245	545/530/505/475/460
	Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	39/37/33/28/23	39/37/33/28/23	45/43/39/36/33
	Dimension: Height in (mm)	11 7/16 (290)	11 7/16 (290)	12 1/2 (318)
	Dimension: Width in (mm)	34 (864)	34 (864)	39 11/16 (1008)
	Dimension: Depth in (mm)	7 7/8 (200)	7 7/8 (200)	8 7/8 (225)
	Weight (Ship/Net)- lbs (kg)	24.7/19.9 (11.2/9.0)	24.7/19.9 (11.2/9.0)	33.1/26.5 (15.0/12.0)
Piping	Connections	Flare	Flare	Flare
	Liquid O.D. in	1/4	1/4	1/4
	Suction O.D. in	3/8	3/8	1/2
	Factory Charge Oz	26.5	35.3	40.6
	Maximum Line Length Ft / m	66/20	66/20	83/25
	Maximum Height Ft / m	33/10	33/10	50/15

Advanced Series


Single Zone Systems


Haier





The ultimate combination of performance and comfort, our Advanced Series systems deliver the highest efficiencies (up to 23 SEER) and quietest operation - down to a whispering 23 dB(A). Available Capacities: 9,000 BTU, 12,000 BTU, 18,000 BTU, 24,000 BTU.


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**
Allows installer to drain the condensate from either the left or right side, making installation easier



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

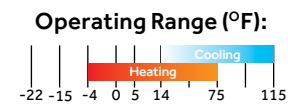


Advanced SERIES

Specifications

Compressor Type:
DC Inverter Driven Rotary

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





	09ES	12ES	18ES	24ES
Outdoor Unit	1U09ES2VHA	1U12ES2VHA	1U18ES2VHA	1U24ES2VHA
Indoor Unit	AW09ES2VHB	AW12ES2VHB	AW18ES2VHB	AW24ES2VHB
Cooling	Rated Capacity Btu/hr	9,000	12,000	17,000
	Capacity Range Btu/hr	3,800-12,100	4,100-14,680	7,000-23,000
	Rated Power Input W	610 (280-1150)	910 (290-1,200)	1,350 (420-2,100)
	SEER/EER	23.5/14.5	23.0/12.5	21.0/12.6
Heating	Moisture Removal gal./hr.	0.31	0.42	0.52
	Rated Heating Capacity 47°F Btu/hr	10,000	16,000	22,000
	Heating Capacity Range Btu/hr	4,100-15,000	4,430-19,800	5,400-26,400
	Rated Power Input W	650 (290-1200)	1,250 (300-1,300)	1,830 (400-2,900)
	HSPF (IV)	12.0	11.0	11.0
	HSPF (V)	10.4	9.6	9.6
	Rated Heating Capacity 17°F Btu/hr	7,400	12,220	14,000
	Max. Heating Cap. 17°F (-8°C) Btu/hr	10,000	13,120	19,600
	Max. Heating Cap. 5°F (-15°C) Btu/hr	10,000	10,160	14,900
	Max. Heating Cap. -4°F (-20°C) Btu/hr	8,800	9,500	12,300
Outdoor Unit	Maximum Fuse Size A	15	15	30
	Minimum Circuit Amp A	15	15	18
	Outdoor Fan Speed RPM	300-900	300-900	300-850
	Outdoor Noise Level dB	51	51	52
	Dimension: Height in (mm)	23 1/2 (597)	23 1/2 (597)	27 7/16 (697)
	Dimension: Width in (mm)	30 11/16 (780)	30 11/16 (780)	35 (890)
	Dimension: Depth in (mm)	11 7/16 (290)	11 7/16 (290)	13 7/8 (353)
	Weight (Ship/Net)- lbs (kg)	84.8/78.2 (38.5/ 35.5)	84.8/78.2 (38.5/ 35.5)	105.4/96.6 (47.8/43.8)
	Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto
	Airflow CFM (Turbo/High/Med/Low/Quiet)	440/410/350/290/265	610/530/440/410/350	710/650/560/440/410
Indoor Unit	Motor Speed (Turbo/High/Med/Low/Quiet) RPM	1150/1050/900/750/650	1150/1050/900/750/650	1100/950/850/750/700
	Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	44/40/35/31/23	45/41/36/32/23	48/46/42/36/34
	Dimension: Height in (mm)	12 1/4 (310)	12 1/4 (310)	13 1/4 (336)
	Dimension: Width in (mm)	35 7/16 (900)	35 7/16 (900)	43 7/8 (1115)
	Dimension: Depth in (mm)	8 7/16 (215)	8 7/16 (215)	9 9/16 (243)
	Weight (Ship/Net)- lbs (kg)	30.9/25.4 (14/ 11.5)	30.9/25.4 (14/ 11.5)	43.2/35.3 (19.6/16)
	Connections	Flare	Flare	Flare
	Liquid O.D. in	1/4	1/4	1/4
	Suction O.D. in	3/8	3/8	1/2
	Factory Charge Oz	38.8	38.8	52.2
Piping	Maximum Line Length Ft / m	50/15	50/15	83/25
	Maximum Height Ft / m	33/10	33/10	50/15




The ultimate combination of performance and comfort, our Advanced Plus Series systems deliver the highest efficiencies (up to 23 SEER) and quietest operation—down to a whispering 23 dB(A). Available Capacities: 9,000 BTU, 12,000 BTU, 15,000 BTU, 18,000 BTU, and 24,000 BTU.

Key Features


**DC INVERTER**

**A-PAM DC INVERTER**


Latest high efficiency DC inverter technology

**EASY INSTALLATION CLIP**


Built-in bracket allows more room to install and service

**-15°F HEATING**


Low ambient heating down to -15°F (-26°C)

**AUTO LOUVER**

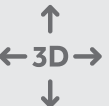
Adjusts airflow upward when cooling, or downward when heating

**BASE PAN HEATER**


Prevents condensate water from accumulating in the outdoor unit in extremely cold temperatures

**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

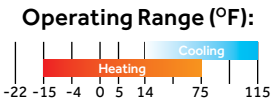
**2-WAY PIPING DRAIN**

Allows installer to drain the condensate from either the left or right side, making installation easier

Specifications

Compressor Type:
DC Inverter Driven Rotary

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



	09AP	12AP	15AP	18AP	24AP
Outdoor Unit	1U09AP2VHA	1U12AP2VHA	1U15AP2VHA	1U18AP2VHA	1U24AP2VHA
Indoor Unit	AW09ES2VHB	AW12ES2VHB	AW15ES2VHB	AW18ES2VHB	AW24ES2VHB
Cooling	Rated Capacity Btu/hr	9,000	12,000	15,000	17,000
	Capacity Range Btu/hr	3,200-12,500	3,300-15,000	5,400-24,000	5,400-26,500
	Rated Power Input W	640	960	1,200	1,390
	SEER/EER	23.5/14.5	23.0/12.5	21.5/12.5	21.0/12.5
	Moisture Removal Pt./h	3.50	3.90	4.10	4.30
Heating	Rated Heating Capacity 47°F Btu/hr	10,000	13,000	16,000	22,000
	Heating Capacity Range Btu/hr	3,800-15,600	3,900-20,000	4,000-26,000	4,000-30,000
	Rated Power Input W	680	1,500	1,700	2,100
	HSPF (IV)	10.5	11.0	10.5	10.0
	HSPF (V)	9.1	9.6	9.1	8.7
	Max. Heating Capacity 17°F Btu/hr	13,000	15,000	17,000	26,000
Outdoor Unit	Max. Heating Capacity 5°F Btu/hr	10,000	13,000	17,000	20,000
	Max Heating Capacity -15°F Btu/hr	6,500	7,500	10,000	14,000
	Maximum Fuse Size A	15	15	20	30
	Minimum Circuit Amp A	11.0	11.0	14.0	20.0
	Outdoor Noise Level dB	54	54	55	55
	Dimension: Height in (mm)	23 1/2 (597)	23 1/2 (597)	27 7/16 (697)	27 7/16 (697)
Indoor Unit	Dimension: Width in (mm)	30 11/16 (780)	30 11/16 (780)	35 (890)	35 (890)
	Dimension: Depth in (mm)	11 7/16 (290)	11 7/16 (290)	13 7/8 (353)	13 7/8 (353)
	ODU Weight (Ship/Net)- lbs	85/78.5	85/78.5	110.5/100.5	110.5/100.5
	Fan Speed Stages	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
	Dimension: Height in (mm)	12 1/4 (310)	12 1/4 (310)	13 1/4 (336)	13 1/4 (336)
Piping	Dimension: Width in (mm)	35 7/16 (900)	35 7/16 (900)	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)
	IDU Weight (Ship/Net)- lbs	31/25.5	31/25.5	43.5/35.5	43.5/35.5
	Connections	Flare	Flare	Flare	Flare
	Liquid O.D. in	1/4	1/4	1/4	1/4
	Suction O.D. in	3/8	3/8	1/2	1/2
Piping	Factory Charge Oz	38.8	38.8	52.2	52.2
	Max Line Length Ft / m	50/15	50/15	83/25	83/25
	Max Height Ft / m	33/10	33/10	50/15	50/15



Arctic Series

Single Zone Systems

Haier



Arctic
SERIES



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



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 -22°F. Up to 28 SEER Wall Mount 9,000, 12,000 & 18,000 BTU Single Zone Heat Pump Systems

Key Features

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

-22°F HEATING
Low ambient heating down to -22°F (-30°C).

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

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

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
Allows installer to drain the condensate from either the left or right side, making installation easier

TURBO MODE
Cools or heats the room quickly

CHILD LOCK
Prevents unintended and unsupervised use

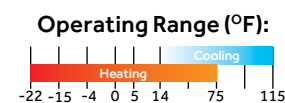
AUTO LOUVER
Adjusts airflow upward when cooling, or downward when heating



Specifications

Compressor Type:
DC Inverter Driven Rotary

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



	09EH	12EH	18EH
Outdoor Unit	1U09EH2VHA	1U12EH2VHA	1U18EH2VHA
Indoor Unit	AW09EH2VHA	AW12EH2VHA	AW18EH2VHA
Cooling	Rated Capacity Btu/hr	12,000	19,000
	Capacity Range Btu/hr	3,100-12,000	6,500-23,200
	Rated Power Input W	595	890
	SEER/EER	28/15.5	25/13
	Moisture Removal gal./hr.	0.31	0.43
Heating	Rated Heating Capacity 47°F Btu/hr	12,000	20,400
	Heating Capacity Range Btu/hr	3,100-22,000	5400-26400
	Rated Power Input W	900	1,345
	HSPF (IV)	13.0	12.0
	HSPF (V)	11.3	10.4
	Rated Heating Capacity 17°F Btu/hr	9,000	18,500
	Max. Heating Cap. 17°F (-15°C) Btu/hr	12,000	20,400
	Max. Heating Cap. 5°F (-15°C) Btu/hr	12,000	20,400
Outdoor Unit	Max. Heating Cap. -5°F (-20°C) Btu/hr	12,000	15,200
	Max. Heating Cap. -15°F (-26°C) Btu/hr	11,200	13,900
	Max. Heating Cap. -22°F (-30°C) Btu/hr	10,800	15,200
	Maximum Fuse Size A	15	25
	Minimum Circuit Amp A	12	18
	Outdoor Fan Speed RPM	300-860	300-860
	Outdoor Noise Level dB	53	54
	Dimension: Height in (mm)	24 3/16 (614)	30 (762)
Indoor Unit	Dimension: Width in (mm)	32 5/16 (820)	36 3/16 (920)
	Dimension: Depth in (mm)	13 5/16 (338)	15 1/8 (385)
	Weight (Ship/Net)- lbs (kg)	94.8/84.9 (43.0/38.5)	135.6/126.8 (61.5/57.5)
	Fan Speed Stages	5 + Auto	5 + Auto
	Airflow CFM (Turbo/High/Med/Low/Quiet)	470/410/350/290/230	710/650/560/440/410
	Motor Speed (Turbo/High/Med/Low/Quiet) RPM	1200/1100/100/900/800	1250/1150/1000/850/800
	Indoor Sound Level dB (Turbo/High/Med/Low/Quiet)	42/39/37/28/23	49/47/42/36/34
	Dimension: Height in (mm)	12 1/4 (310)	13 1/4 (336)
Piping	Dimension: Width in (mm)	35 7/16 (900)	43 7/8 (1115)
	Dimension: Depth in (mm)	8 1/4 (210)	9 9/16 (243)
	Weight (Ship/Net)- lbs (kg)	30.9/25.3 (14/11.5)	45.4/37.5 (20.6/17)
	Connections	Flare	Flare
	Liquid O.D. in	1/4	1/4
	Suction O.D. in	3/8	1/2
	Factory Charge Oz	51.5	74.1
	Maximum Line Length Ft / m	66/20	83/25
	Maximum Height Ft / m	50/15	50/15

Multi-Zone Systems

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

With a standard inverter technology heat pump, homeowners can effectively reduce their electric bill and maintain an ideal comfort level. 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

Outdoor Units		Compressor Type: DC Inverter Driven Rotary	Voltage/Cycle/Phase: 208-230/60/1	Operating Range (°F): <div><div></div></div>	2 Zones	3 Zones
					2U20EH2VHA	3U24EH2VHA
Cooling Non-Ducted	Rated Capacity Btu/hr				18,100	22,000
	Capacity Range Btu/hr				7,000-2,0000	6,000-23,600
	Rated Power Input W				1,448	1,760
	SEER/EER				17/12.5	18.5/12.5
Cooling Ducted	Rated Capacity Btu/hr				18,100	21,000
	Capacity Range Btu/hr				6,000-19,000	6,000-22,300
	Rated Power Input W				1,724	2,000
	SEER/EER				15/10.5	15/10.5
Heating Non-Ducted	Rated Heating Capacity 47°F Btu/hr				20,000	24,000
	Heating Capacity Range Btu/hr				8,000-23,000	8,000-30,600
	Rated Power Input W				1,504	1,572
	COP / COP @ 5°F				3.7 / 2.0	4.2 / 2.0
	HSPF				10.5	10.5
	Max. Heating Capacity 5°F Btu/hr				23,000	24,000
Heating Ducted	Max. Heating Capacity -15°F Btu/hr				17,000	18,000
	Rated Heating Capacity 47°F Btu/hr				20,000	22,000
	Heating Capacity Range Btu/hr				8,000-21,000	8,000-28,600
	Rated Power Input W				2,255	2,230
	COP / COP @ 5°F				2.94/1.9	3.0/1.9
	HSPF				9.6	9.3
Outdoor Unit	Max. Heating Capacity 5°F Btu/hr				19,000	20,000
	Max. Heating Capacity -15°F Btu/hr				15,000	16,000
	Maximum Fuse Size A				25	25
	Minimum Circuit Amp A				15	16
	Outdoor Fan Speed RPM				750	900
	Outdoor Noise Level dB				56	56
Refrigerant Lines	Dimension: Height in (mm)				33 1/8 (840)	33 1/8 (840)
	Dimension: Width in (mm)				37 3/8 (948)	37 3/8 (948)
	Dimension: Depth in (mm)				13 3/8 (340)	13 3/8 (340)
	Weight (Ship/Net)- lbs (kg)				202.3/185.6 (91.7/84.2)	205.9/189.5 (93.4/85.9)
	Connectible Indoor unit quantity				2	2 or 3
	Connections				Flare	Flare
Refrigerant Lines	Liquid O.D. in				1/4 1/4	1/4 1/4 1/4
	Suction O.D. in				3/8 3/8	3/8 3/8 1/2
	Factory Charge Oz				99	99
	Maximum Line Length Ft / m				164/50	196/60
	Maximum Height Ft / m				50/15	50/15
	Maximum Line Length (each individual indoor unit) Ft / m				82/25	82/25

Highwall Indoor	AW07EH2VHA	AW09EH2VHA	AW12EH2VHA	AW18EH2VHA
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

*Highwall Indoor	AW07LC2VHB	AW09LC2VHB	AW12LC2VHB	AW18LC2VHB
Rated Cooling Capacity Btu/hr	7,000	9,000	12,000	18,000
Rated Heating Capacity Btu/hr	8,000	10,000	13,000	19,000
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)	410/350/295/235/205	410/350/295/235/205	440/380/320/265/215	636/530/483/430/383
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
Dimension: H x W x D in (mm)	11 x 33 5/8 x 8 (280 x 855 x 204)	11 x 33 5/8 x 8 (280 x 855 x 204)	11 x 33 5/8 x 8 (280 x 855 x 204)	13 1/8 x 39 1/4 x 9 1/4 (332 x 997 x 235)
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)
Liquid /Suction O.D. in	1/4 3/8	1/4 3/8	1/4 3/8	1/4 1/2

*Ducted Indoor	AD07SL2VHB	AD09SL2VHB	AD12SL2VHB	AD18SL2VHB
Rated Cooling Capacity Btu/hr	7,000	9,000	12,000	18,000
Rated Heating Capacity Btu/hr	8,000	10,000	13,000	19,000
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)	353/312/270/230/188	353/312/270/230/188	400/353/282/247/218	540/500/447/365/306
Max. Ext. Static Pressure in.W.G (Pa)	0.16 (40)	0.16 (40)	0.16 (40)	0.16 (40)
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
Dimension: HxWxD in (mm)	7 1/4 x 33 1/2 x16 1/2 (185x850x420)	7 1/4 x 33 1/2 x16 1/2 (185x850x420)	7 1/4 x 33 1/2 x16 1/2 (185x850x420)	7 1/4 x 33 1/2 x16 1/2 (185x1170x420)
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)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 3/8	1/4 1/2
Drainpipe Size O.D. in	1 1/4	1 1/4	1 1/4	1 1/4
Condensate Pump	Standard	Standard	Standard	Standard
Max. Drain-Lift height in (mm)	27 1/2 (698)	27 1/2 (698)	27 1/2 (698)	27 1/2 (698)

*Cassette Indoor	AB09SC2VHA	AB12SC2VHA	AB18SC2VHA
Rated Cooling Capacity Btu/hr	9,000	12,000	18,000
Rated Heating Capacity Btu/hr	10,000	13,000	19,000
Voltage, Cycle, Phase V/Hz/-	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
Indoor Sound dB (Turbo/H/M/L/Quiet)	42/40/36/32/25	42/40/36/32/25	45/42/40/36/32
Grille Model	PB-700IB	PB-700IB	PB-700IB
Chassis Dimension: HxWxD in (mm)	10 1/4 x 22 1/2 x 22 1/2 (260 x 570 x 570)	10 1/4 x 22 1/2 x 22 1/2 (260 x 570 x 570)	10 1/4 x 22 1/2 x 22 1/2 (260 x 570 x 570)
Grille Dimension: HxWxDin (mm)	2 3/8 x 27 1/2 x 27 1/2 (60 x 700 x 700)	2 3/8 x 27 1/2 x 27 1/2 (60 x 700 x 700)	2 3/8 x 27 1/2 x 27 1/2 (60 x 700 x 700)
Weight (Ship/Net)- lbs (kg)	46.3/37.5 (21/17)	46.3/37.5 (21/17)	46.3/37.5 (21/17)
Liquid / Suction O.D. in	1/4 3/8	1/4 3/8	1/4 1/2
Drainpipe Size O.D. in	1 1/4	1 1/4	1 1/4
Condensate Pump	Standard	Standard	Standard
Max. Drain-Lift height in (mm)	47 1/4 (1200)	47 1/4 (1200)	47 1/4 (1200)

*Units are also compatible with FlexFit models



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 across four separate zones, the FlexFit Multi-Zone series gives you freedom like never before.

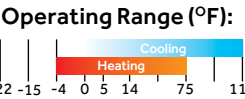
Scan this code with your smart device to learn more about FlexFit multi-zone mini-splits.



Specifications

Compressor Type:
DC Inverter Driven Rotary

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



2 Zones



3 Zones



4 Zones



Outdoor Units		2U18MS2VHB	3U24MS2VHB	4U36MS2VHB
Cooling Non-ducted	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
	SEER/EER	16.0/10.5	18.0/10.0	18.0/9.0
Cooling Ducted	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
	SEER/EER	16.0/8.5	16.0/8.5	16.0/8.5
Heating Non-ducted	Rated Heating Capacity 47°F Btu/hr	19,200	23,000	34,600
	Heating Capacity Range Btu/hr	6,100-22,100	6,100-25,500	6,100-36,500
	Rated Power Input W	1,570	1,700	2,650
	HSPF	9.0	10.0	10.0
Heating Ducted	Rated Heating Capacity 17°F Btu/hr	13,000	15,000	22,000
	Rated Heating Capacity 47°F Btu/hr	18,000	22,000	33,000
	Heating Capacity Range Btu/hr	6,100-22,100	6,100-25,000	6,100-35,000
	Rated Power Input W	1,700	2,100	3,000
Outdoor Unit	HSPF	8.5	8.5	9.0
	Rated Heating Capacity 17°F Btu/hr	10,000	14,000	21,000
	Maximum Fuse Size A	25	25	30
	Minimum Circuit Amp A	15	18	23
Piping	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)
Outdoor Unit	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)
	Connectable Indoor unit quantity	2	2 or 3	2, 3 or 4
	Connections	Flare	Flare	Flare
Piping	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	67.0	113.0
	Maximum Line Length Ft / m	100/30	200/60	230/70
Piping	Maximum Height Ft / m	50/15	50/15	50/15
	Maximum Line Length (each individual indoor unit) Ft / m	65/25	82/25	82/25



Highwall Indoor

	AW07LC2VH(-)	AW09LC2VH(-)	AW12LC2VH(-)	AW18LC2VH(-)	AW24LP2VH(-)
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



Ducted Indoor

	AD07SL2VH(-)	AD09SL2VH(-)	AD12SL2VH(-)	AD18SL2VH(-)	AM24LP2VH(-)
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 x16 9/16 (185x850x420)	7 5/16 x 33 7/16 x16 9/16 (185x850x420)	7 5/16 x 33 7/16 x16 9/16 (185x850x420)	7 5/16 x 46 1/16 x16 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)



Cassette Indoor

	AB09SC2VH(-)	AB12SC2VH(-)	AB18SC2VH(-)	AL24LP2VH(-)
Rated Cooling Capacity Btu/hr	9,000	12,000	18,000	24200
Rated Heating Capacity Btu/hr	10,000	13,000	19,000	27300
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-700IB	PB-700IB	PB-700IB	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: HxWxDin (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)

FlexFit Pro Series

Single Zone Systems

Haier



Our top-of-the-line 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
Allows installer to drain the condensate from either the left or right side, making installation easier

OPTIONAL WIRED REMOTE CONTROLLER
Sleek looking thermostat to control the ductless split system

SELF-DIAGNOSIS
The LED display can also show the error code and provide an easier way to service the unit

FlexFit Pro SERIES

Specifications

Compressor Type:
DC Inverter Driven Rotary

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

Operating Range (°F):
-22 -15 -4 0 5 14 75 115



		High Wall		High Static Duct			Large Cassette		
	Outdoor Unit	1U24LP2VHA	1U36LP2VHA	1U24LP2VHA	1U36LP2VHA	1U48LP2VHA	1U24LP2VHA	1U36LP2VHA	1U48LP2VHA
	Indoor Unit	AW24LP2VH(-)	AW36LP2VH(-)	AM24LP2VH(-)	AM36LP2VH(-)	AM48LP2VH(-)	AL24LP2VH(-)	AL36LP2VH(-)	AL48LP2VH(-)
Cooling	Rated Capacity Btu/hr	24000	35000	24000	35000	45000	24000	35000	45000
	Capacity Range Btu/hr	6800-30700	8500-37500	6800-30700	8500-37500	11900-54500	6800-27000	8500-37500	11900-52800
	Rated Power Input W	2,182	3,500	2,182	3,500	4,476	2,087	3,500	4,286
	SEER/EER	17.0/10.0	17.0/8.6	17.0/11.0	17.0/10.0	16.9/10	17.0/11.5	17.0/10.0	17.0/10.5
	Moisture Removal Pt./h	4.10	5.1	5.1	6.8	11.0	5.1	6.3	11.0
Heating	Rated Heating Capacity Btu/hr	27000	37000	26500	37500	52000	27300	36500	49000
	Heating Capacity Range Btu/hr	6800-34100	8500-41000	6800-34100	8500-41000	13600-64800	6800-30500	8500-38500	13600-61000
	Rated Power Input W	2700	3700	2,089	3,283	4,407	2,281	3,253	4,533
	HSPF	10.0	10.0	11.0	10.5	10.0	10.0	10.3	10.5
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)
Indoor Unit	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 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)
Piping	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
Connections	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)
	Connections	Flare	Flare	Flare	Flare	Flare	Flare	Flare	Flare
Piping	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	88.2	88.2	88.2	88.2	131.0	88.2	88.2	131.0
	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



FlexFit Pro
SERIES

Controllers

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

Wired Mounted Remote Controllers



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



Wired controllers for FlexFit slim duct and high static duct. Optional for Arctic, Advanced series, FlexFit wall mount and cassette indoor.



	YR-E16B	YR-E17	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 and compact cassette



Ships with large cassette

	YR-HG	YR-HBS01
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)	•	•



WK-B
Wired controller kit for wall mount indoor. Required for wall mount units controlled by wired remote controller (YR-E17 or YR-E16B).

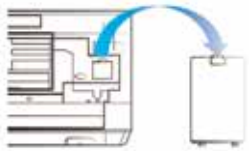
High Wall WiFi Adapter



Plug & Play
WiFi



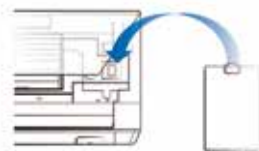
1
Switch off power and open the cover panel



2
Remove WiFi panel access cover



3
Install the USB WiFi module



4
Replace the WiFi panel cover and close the unit cover panel

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

Simply plug the USB WiFi module into the indoor unit, download the Haier Home APP to a smart device, link the equipment to the smart device, and follow the easy linking instructions.

WiFi Control Features:

- Cool
- Heat
- Fan
- Dry
- Auto
- On/Off
- Temperature adjustment
- Weekly schedule
- Louver swing
- Room temperature settings
- Show degrees in F or C



Part.#	Description
QAWF01A	WiFi Module for Highwall Indoor

WiFi Compatible Units

Arctic Series

AW09EH2VHA
AW12EH2VHA
AW18EH2VHA

Advanced Series

AW09ES2VHB
AW12ES2VHB
AW18ES2VHB
AW24ES2VHB

Advanced Plus Series

AW09ES2VHB
AW12ES2VHB
AW18ES2VHB
AW24ES2VHB

Tempo Series

AW18TE2VHA
AW24TE2VHA

FlexFit Series

AW07LC2VHB
AW09LC2VHB
AW12LC2VHB
AW18LC2VHB
AW24LP2VHA
AW36LP2VHA



Home App



Ductless Wind Baffle

The Haier ductless wind baffle is fabricated from durable 20 gauge G90 galvanized steel. Color-matched & powder coated to blend beautifully with Haier ductless outdoor units, the ductless wind baffle is engineered to provide optimal performance when operating the outdoor unit in cold, harsh climates.



Features & Benefits

- Increases the unit’s reliability in extremely cold temperatures.
- Helps keep snow and ice from clogging the outdoor coil.
- Protects the outdoor coil from high winds.
- Prevents outdoor fan counter rotation.
- Reduces defrost cycles.
- Maintains a comfortable indoor temperature.
- Boosts low ambient cooling performance for mechanical or server room applications.
- Easy installation.
- Embossed Haier Logo.

2’x2’ Cassette Panel



PB-700IB
Panel for 2’x2’ cassette
Must order PB-700IB separately with the purchase of Compact Cassette models:
AB09SC2VHA
AB12SC2VHA
AB18SC2VHA

3’x3’ Cassette Panel



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

Return Air Grilles



PAD0890RA
Optional return air grille for Slim Duct models:
AD07SL2VH(-)
AD09SL2VH(-)
AD12SL2VH(-)

PAD1210RA
Optional return air grille for Slim Duct model:
AD18SL2VH(-)

Supply Air Grilles



PAD0890SA
Optional supply air grille for Slim Duct models:
AD07SL2VH(-)
AD09SL2VH(-)
AD12SL2VH(-)

PAD1210SA
Optional supply grille for Slim Duct model:
AD18SL2VH(-)

Compatible with these outdoor units:

Series	Outdoor Model #	Wind Baffle Model #
Tempo	1U09TE1VHA	QAWB41A
	1U12TE1VHA	QAWB41A
	1U18TE2VHA	QAWB37A
	1U24TE2VHA	QAWB45A
Advanced	1U09ES2VHA	QAWB42A
	1U12ES2VHA	QAWB42A
	1U18ES2VHA	QAWB37A
	1U24ES2VHA	QAWB45A
Arctic	1U09EH2VHA	QAWB39A
	1U12EH2VHA	QAWB39A
	1U18EH2VHA	QAWB45A
FlexFit	2U18MS2VHB	QAWB43A
	3U24MS2VHB	QAWB44A
	4U36MS2VHB	QAWB40A
	1U18LC2VHA	QAWB43A
	1U24LP2VHA	QAWB38A
	1U36LP2VHA	QAWB38A
	1U48LP2VHA	QAWB38A (requires 2)



Model Number Nomenclature



Product Category

Nominal Cooling Capacity

Series

Voltage

V

Product Type

Revision

Revision

Product Type

H: Heat Pump
C: Cool Only

V: Variable Speed

Voltage

1: 115V
2: 208/230V

Series

TE: Tempo
ES: Advanced
AP: Advanced Plus
EH: Arctic
MH: Arctic Multi
SC, SL, LC: FlexFit Indoor
MS: FlexFit Multi
LP: FlexFit Pro

Nominal Cooling Capacity

07: 7,000 BTU	18: 18,000 BTU
09: 9,000 BTU	24: 24,000 BTU
12: 12,000 BTU	36: 36,000 BTU
15: 15,000 BTU	48: 48,000 BTU

Product Category

1U: Single Zone Outdoor
2U/3U/4U: Multi-Zone Outdoor
AW: Wall Mount Type Indoor
AD: Slim Duct Type Indoor
AH: High Static Duct Type Indoor
AB: Compact Cassette Type Indoor (2x2')
AL: Large Cassette Type Indoor (3x3')

Haier Ductless Help App

Haier

Now Available.....

The Haier Ductless Help app is a convenient technical support resource available to installers and servicers of Haier branded ductless HVAC systems. It is available on both Apple and Android smartphone platforms.

The app features both online and offline tools. The online tools require a wireless internet connection for instant access to haierductless.com and haierductlesshelp.com support resources. The app-based offline tools and calculators do not require internet access.



Online Tools

Tools and Troubleshooting



Technical Resource Center



Product Overview & Info



Offline Tools (iOS version only. Android version coming soon)

Error Code Lookup



Troubleshooting Flowcharts



Refrigerant Charge Calculators



Your customers turn to you for great results, so offer them the performance and support you can only get from Haier!

Limited Warranty

At Haier we take pride in our workmanship, which is why we offer one of the best warranties in the industry. Standard coverage is a 7-year limited warranty on the compressor and a 5-year limited warranty on parts.

Our Tempo, Advanced, Advanced Plus, Arctic and all FlexFit Series systems qualify for a 10-year limited warranty on both the compressor and parts. Equipment must be registered for this extended coverage within 60 days of installation. To register your equipment go to:
www.haierductless.com > support > product registration.



Training

We're with you every step of the way, from theory to application. Through the Haier HVAC Training Center, we teach distributors and contractors everything from service to installation to sales. For those who prefer to learn in the field, our Regional Training Program matches professionals with experienced trainers.

Support

You can always rely on Haier to guide you through warranty processing, parts ordering, product installation, technical documentation and more.

Rebates

With their high SEER and EER ratings, Haier ductless systems could earn your customers very attractive rebates.

Learn more by visiting:

ENERGY STAR
energystar.gov

**Database of State Incentives for
Renewables & Efficiency**
dsireusa.org

For more info visit us:



www.Haierductless.com



www.Haierductlesshelp.com

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GE APPLIANCES
a Haier company



For more info visit:

