

Single Zone Systems

Haier

Advanced Plus SERIES



The ultimate combination of performance and comfort, Advanced Plus delivers efficiencies up to 23.5 SEER/23.5 SEER2 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.

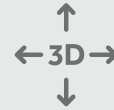
Key Features*

**DC
INVERTER**

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



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



**3-D
AIR FLOW**

Delivers air vertically and horizontally for even distribution throughout the room



**EASY
INSTALLATION
CLIP**

Built-in bracket allows more room to install and service



BLUE FIN

A hydrophilic aluminum fin, ensures condensing water flows smoothly



QUIET MODE

Minimizes indoor noise while maintaining comfort levels



WARM START

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



**2-WAY
PIPING DRAIN**

Right or left side drain configuration simplifies installation



TURBO MODE

Cools or heats the room quickly



AUTO LOUVER

Adjusts airflow upward when cooling, or downward when heating



**LONG DISTANCE
AIR SUPPLY**

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



**BASE PAN
HEATER**

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



*Features vary by individual models.

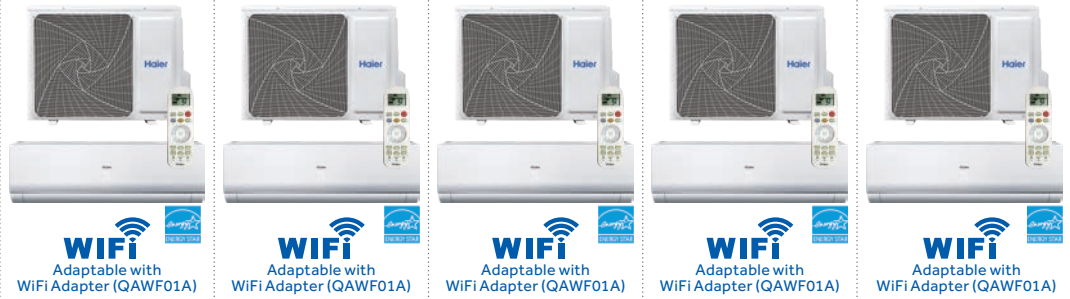
Single Zone Systems

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	
UPC	084691834601	084691834625	084691844952	084691834618	084691834656	
Indoor Unit	AW09ES2VHB	AW12ES2VHB	AW15ES2VHB	AW18ES2VHB	AW24ES2VHB	
UPC	688057407654	688057407661	084691844969	688057407678	688057407685	
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
	SEER/SEER2	23.5/23.5	23.0/23.0	21.5/21.5	21.0/21.0	20.0/20.0
	EER/EER2	14.5/14.5	12.5/12.5	12.5/12.5	12.5/12.5	12.5/12.5
	Moisture Removal Pt./hr	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 @ 47°F	4.4	3.5	3.4	3.4	3.3
	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
HSPF/HSPF2 (I)/HSPF (V)	10.5/9.3/6.9	11.0/10.2/7.7	10.5/9.6/7.6	10.5/9.5/7.3	10.5/9.5/7.5	
Operating Range	Cooling °F (°C)*	14~115°F (-10~46°C)	14~115°F (-10~46°C)	14~115°F (-10~46°C)	14~115°F (-10~46°C)	14~115°F (-10~46°C)
	Heating °F (°C)	-15~75°F (-26~24°C)	-15~75°F (-26~24°C)	-15~75°F (-26~24°C)	-15~75°F (-26~24°C)	-15~75°F (-26~24°C)
Outdoor Unit	Maximum Fuse Size A	15	15	20	20	30
	Minimum Circuit Amp A	11	11	14	14	20
	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	90.2/78.3	90.2/78.3	117.5/100.3	117.5/100.3	149.5/130.1
Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto	5 + Auto	5 + Auto	
Indoor Unit	Cooling Mode Indoor Motor RPM (Turbo/High/Med/Low/Quiet)	1150/1050/900/750/650	1150/1050/900/750/650	1100/950/850/750/700	1100/950/850/750/700	1250/1150/1000/850/800
	Heating Mode Indoor Motor RPM (Turbo/High/Med/Low/Quiet)	1100/1000/850/700/650	1100/1000/850/700/650	1050/850/775/700/600	1050/850/775/700/600	1250/1150/1000/850/800
	Cooling Airflow CFM (Turbo/High/Med/Low/Quiet)	385/335/265/200/175	400/360/285/215/190	620/545/335/290/210	620/545/335/290/210	635/575/480/390/355
	Heating Airflow CFM (Turbo/High/Med/Low/Quiet)	370/320/250/190/175	380/340/270/200/190	590/490/305/270/180	590/490/305/270/180	635/575/480/390/355
	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
	Refrigerant Lines	Connections	Flare	Flare	Flare	Flare
Liquid O.D. in		1/4	1/4	1/4	1/4	1/4
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

*Cooling below 23°F (-5°C) requires wind baffle. Please refer to technical literature for model compatibility and instructions.