

Advanced Plus SERIES



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

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

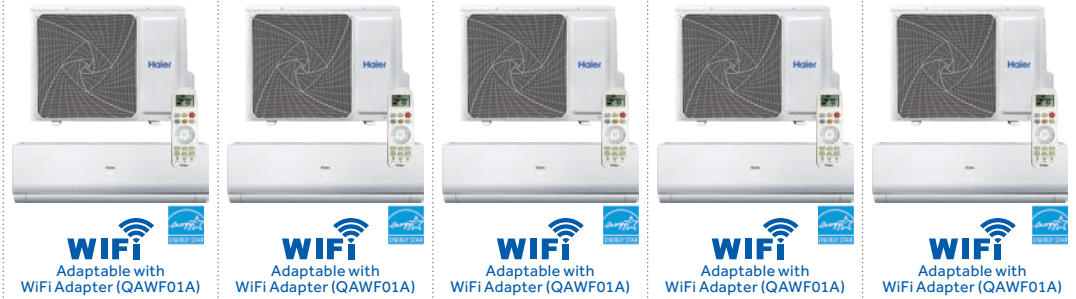
Specifications



Compressor Type:
DC Inverter Driven Rotary

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

Operating Range (°F):



	09AP	12AP	15AP	18AP	24AP	
Outdoor Unit	1U09AP2VHA	1U12AP2VHA	1U15AP2VHA	1U18AP2VHA	1U24AP2VHA	
UPC	0-84691-83460-1	0-84691-83462-5	0-84691-84495-2	0-84691-83461-8	0-84691-83465-6	
Indoor Unit	AW09ES2VHB	AW12ES2VHB	AW15ES2VHB	AW18ES2VHB	AW24ES2VHB	
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	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
	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
	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
Outdoor Unit	HSPF	10.5	11.0	10.5	10.5	10.5
	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	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
Refrigerant Lines	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

