

# 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.

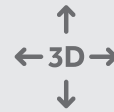
### Key Features\*

**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.

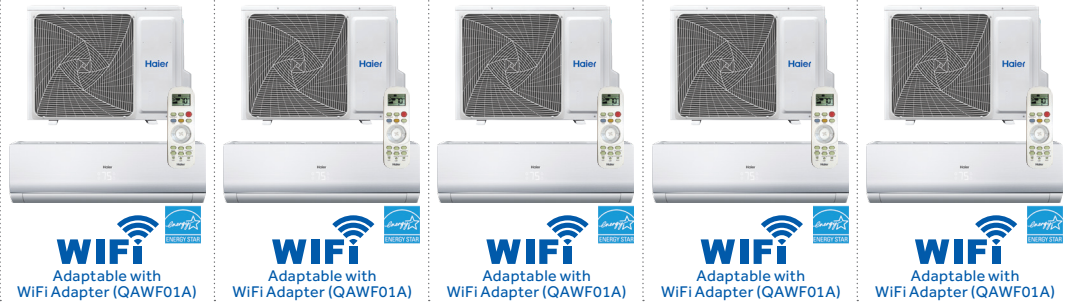
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## Specifications



**Compressor Type:**  
DC Inverter Driven Rotary

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



	09AP	12AP	15AP	18AP	24AP	
<b>Outdoor Unit</b>	<b>1U09AP2HDB</b>	<b>1U12AP2HDB</b>	<b>1U15AP2HDB</b>	<b>1U18AP2HDB</b>	<b>1U24AP2HDB</b>	
UPC	084691920427	084691920434	084691920441	084691920458	084691920465	
<b>Indoor Unit</b>	<b>AW09AP2HDB</b>	<b>AW12AP2HDB</b>	<b>AW15AP2HDB</b>	<b>AW18AP2HDB</b>	<b>AW24AP2HDB</b>	
UPC	084691920328	084691920335	084691920342	084691920359	084691920366	
<b>Cooling</b>	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
	SEER2	23.5	23.0	21.5	21.0	20.0
	EER2	14.5	12.5	12.5	12.5	12.5
	Moisture Removal Pt./hr	3.5	3.9	4.1	4.3	7.0
<b>Heating</b>	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	21,000	27,600
	Max. Heating Capacity 5°F Btu/hr	8,500	10,400	14,200	15,400	20,000
	Max Heating Capacity -15°F Btu/hr	6,500	7,500	10,000	12,000	14,000
	HSPF2 (IV)/HSPF (V)	9.6/7.5	10.5/8.0	9.6/7.5	9.6/7.5	9.6/7.5
<b>Operating Range</b>	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)
<b>Outdoor Unit</b>	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
<b>Indoor Unit</b>	Fan Speed Stages	5 + Auto	5 + Auto	5 + Auto	5 + Auto	5 + Auto
	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	30.9/25.4	30.9/25.4	43.2/35.3	43.2/35.3	45.4/37.5
	<b>Refrigerant Lines</b>	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.