

**COOLAIR**   
INTERNATIONAL, INC.

**PRODUCTS, PARTS  
AND SERVICE**



**AmericAire**



# Dual Units Heat Pump

ACDE09HP220 / ACDC09HP220

220V

ACDE12HP220 / ACDC12HP220

220V

15 SEER

R410A

INVERTER

## Technical Specifications



**Multi-Fold Evaporator**  
Enlarge the expel area and enhance the efficiency while reducing size.



**Hydrophilic Aluminum Foil**  
Blue-colored aluminum foil in indoor unit prevents water contamination.



**Saw-Teeth Fan Wheel Design**  
Saw-teeth shape blades greatly reduces operational noise/vibration.



**Three Dimensional Swing Delivery**  
Multi-dimensional air flow helps reach every corner of the room.



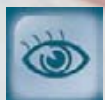
**Sleep Mode Operation**  
Room adjusts temperature to fit the human body automatically.



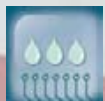
**Independent De-Humidifying**  
Lowers water vapor in the room without affecting the cooling process.



**On/Off Timer**  
Setting the on/off timer to the end users needs.



**Intelligent LED Operation**  
LED display indicates the operation and function of the unit.

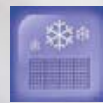


**Intelligent Defrosting**  
Defrosting fully controlled by micro-processor to ensure effective heating.



**Extra Quiet Operation**  
Unique low-noise design makes these systems the quietest in the market.

Function	Highwall	HEAT PUMP	HEAT PUMP
Indoor Unit Model		ACDE09HP220	ACDE12HP220
Cooling/Heating Capacity	Btu.	22,000	25,000
Average Cooling Capacity	Feet	900	1,200
Power Supply	Volt		220
Power	Hertz		60
Efficiency	SEER		15.6
Air Flow Rate	CFM	350 ea.	400 ea.
Moisture Removal	Pt/h	1.7	2.8
Noise Level	Decibel	42	45
Auto Restart			Yes
Heating Power Input	Watts	960	1,340
Dimensions- Indoor Unit	WxHxD In.	31.1 x 10.6 x 8.3	36.6 x 10.8 x 8.3
Net Weight- Indoor Unit	Lbs.	26.5	30.9
Outdoor Unit Model		ACDC09HP220	ACDC24HP220
Compressor	Type		Inverter
Refrigerant	Type		R410A
Defrosting Method			Auto
Max Current Heating	Amp	9.8	13.7
Compressor Power Input	Watt	1,635	1,770
Piping Connection	Liquid	3/8"	3/8"
	Suction	5/8"	5/8"
	Drain	1/2"	1/2"
Dimensions- Outdoor Unit	WxHxD In.	36.5 x 27.6 x 14.25	35.4 x 32.1 x 13.0
Net Weight- Outdoor Unit	Lbs.	154	163
Factory R410A Charge	Feet	25	25
Max Installation Distance	Feet	50	50
Max Height Distance	Feet		17
14 Gauge Field Wiring	Feet		24
Compressor Warranty	Year(s)		5
Circuit Board Warranty	Year(s)		3
Parts Warranty	Year(s)		1



### Cold Catalyst Filter Technology

Cold Catalyst Filters have the ability of sterilization and removing odors. It will effectively remove odd odors such as methyl hydrosulfate, ethyl mercaptan, etc. This filter has the benefit of recycled use. Cold Catalyst systems help reduce colds at change of season, asthma and coughs, skin irritation and frequent headaches and tired symptoms with better air quality.