



AIRREX PORTABLE AIR CONDITIONER

Air Cooled

Why Airrex?

Innovation

From the outset, innovation has been part of Airrex's DNA. Airrex has been designing and building air conditioners since 1993. The company originally started as a control board manufacture and has expanded to include its control boards in many other products. We are continually striving to be the most innovative company in the industry. It means trying to find new and better ways of doing things. This is why Airrex has over 15 different models of air-cooled & water-cooled air conditioners, HEPA filters, and heaters.

Global Business

Airrex does business in over 20 countries, such as the USA, England, Ireland, Russia and Australia.

Quality and Reliability

With less than 1% warranty claims Airrex products have become some of the most reliable products in the industry. All products are ETL listed which AHJs and retailers accept across North America as a product's mark of compliance to applicable electrical, gas and other safety standards. Intertek is an OSHA recognized NRTL (Nationally Recognized Testing Laboratory) and accredited as a Testing Organization and Certification Body by the Standards Council of Canada. The ETL test is applicable to ANSI standards, UL standards, CSA standards and others.

Integrity

Integrity is an essential component of Airrex's philosophy. It is how we conduct ourselves and how we do business. It is non-negotiable. While some business's prize results over ethics, we value both. At Airrex we believe that how you do something is as important as what you do.



HSC-14

- Cooling Capacity : 13,600 BTU/h
- Power Consumption : 1.5 kW
- Power : 115Va,c 60Hz 1Ph
- Weight : 176 lbs
- Size (W×D×H) : 19,3×23,6×46,8 inch

Approved technology with 20 years experience in the market!



Mobility

- (4) 4" Swivel Casters
- (2) Locking Casters



Applications

- Indoor or Outdoor
- Cooling
- Drying



Hot Air Exhaust

- Automatic fan speed controller
- Operating range : Up to 122°F



Adjustable Damper

- (2) 4" Adjustable Dampers



Spot Cooling

- (2) 4" x 14" Adjustable Nozzles
- Directed Cooling
- 10,000 BTU~84,000 BTU



Digital Controls

- Programmable timer
- Temperature Range : 50°F~86°F
- High/Low Fan Speed
- Auto Restart



Condensate Tank

- 5 Gallon Tank
- Auto Shutoff



LCDI Protection

- LCDI Recessed Power Cords
- Standard 115 Volt Power
- ETL Certified

AIRREX PORTABLE AIR CONDITIONER

Water Cooled

No Exhaust Heat! *Airrex Water Cooled Portable Air Conditioner!*

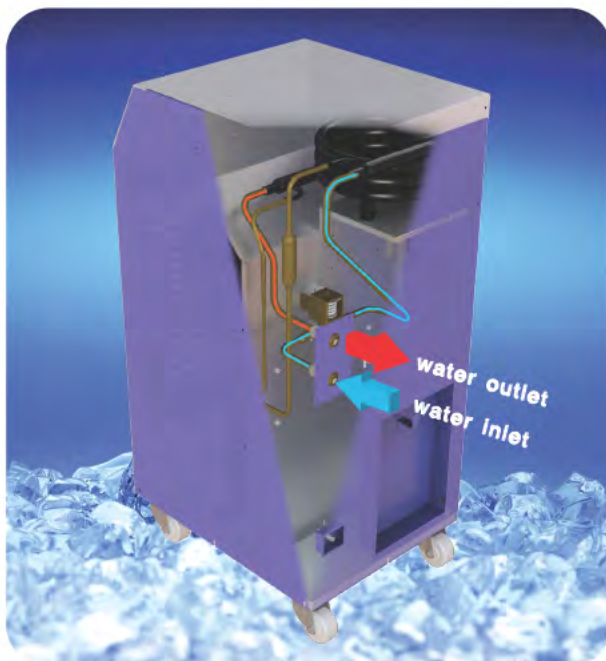
Airrex water cooled units utilize a constant supply of water instead of outside air to reject the heat. Water Cooled air conditioners are designed to operate with a closed water loop system. These units have been engineered with a water regulating valve and built in condensate pump. Applications Include: Hospitals, Kitchens, Production Facilities, and Office Complexes.



HWC-15

- Cooling Capacity : 13,800 BTU/h
- Power Consumption : 1.1 kW
- Power : 115Va.c 60Hz 1Ph
- Weight : 159 lbs
- Size (W×D×H) : 17.7×22.8×42 inch

Airrex – Engineered Climate Solutions!



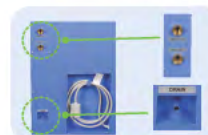
Spot Cooling

- (2) 4" x 14" Adjustable Nozzles
- Directed Cooling
- 14,000 BTU and 18,000 BTU
- Reduced Noise Level



Digital Controls

- Programmable timer
- Temperature Range : 50°F~86°F
- High/Low Fan Speed



Water Cooled

- 2.9 gal/min of condenser water
- Auto Condensate Pump



Mobility

- (4) 4" Swivel Casters
- (2) Locking Casters

AIRREX AIR CONDITIONER SPECIFICATIONS

Comparison of Specification by AIRREX AIR Conditioner Model

Water Cooled



Air Cooled



Items	Unit	HWC-15	HWC-19	HSC-10W	HSC-11	HSC-14	HSC-18	
Cooling Capacity	BTU/h	13,800	18,200	10,000	11,000	13,600	16,800	
Power Supply	Volts	1ph/115V/60Hz			1ph/115V/60Hz			
Size (WxDxH)	inch.	17.7x22.8x42	17.7x22.8x42	20.3x17.5x22.7	16.5x19x37	19.3x23.6x46.8	19.3x23.6x49.8	
Weight	lbs	159	163	96.6	110	176	185	
Current Consumption(A/MP)	A	9.6	12.6	12	10.5	13	17	
Circuit Breaker Size(A/MP)	A	15	15	15	15	15	20	
Rated Power Consumption (Cooling)	kW	1.1	1.5	1.43	1.3	1.5	1.9	
Compressor Input	kW	1.13	1.45	1.03	1.03	1.13	1.45	
Air Flow (CMP,High/Low) Evaporator	CFM	450/400	514/450	212	195	440/380	460/400	
Air Flow (CMP,High/Low) Condenser	CFM	283	283	283	283	706/777	777/920	
Motor Input	kW	0.18	0.27	0.27	0.18	0.16	0.38	
Air Filter		Aluminum Filter		Vinyl Chloride		Aluminum Filter		
Nema Plug		5-15	5-15	5-15	5-15	5-15	5-20	
Safety Device		<ul style="list-style-type: none"> • High/Low Pressure Switch • 3min. Delay Timer • Automatic Full Tank Shut-Off • Thermostat Protector for Compressor • Tank Position Detector (only HSC-14/18/24A) • Fan Motor Protection 						
Static Pressure	psi	426	426			426	426	
Power Cord	type	Plug Type						
Power Cord Length	ft	9.8	9.8	6.6	6.6	9.8	9.8	
Outlet Air Velocity	ft/sec	37~33	42~37	17.8	21~18	37~32	38~33	
Outlet Temp. Difference	*F	50~59		50~59				
Refrigerant	lbs	R-410A(1.1)	R-410A(1.32)	R-410A(0.88)	R-410A(1.1)	R-410A(1.33)	R-410A(1.76)	
Operating Conditions	*F	72°F DB 60%RH ~113°F DB 40%RH						
Maximum Duct Length	ft	30	30	9.8	-	30	30	
Water Flow at 85 F	GPM	2.9	3.96					

ACCESSORIES



Flexible Duct
Dia. 5inch x 9.8ft



Flexible Duct
Dia. 5inch x 12inch



Damper Base



Duct Cover



Connection
Flange



Aluminum Filter
for Evaporator



Spot Cooler



HSC-24A	HSC-36B	HSC-60	HSC-70	HSC-140
23,500	36,000	60,000	84,000	145,000
1ph/220V/60Hz		1ph/220V/60Hz 3ph/220V/60Hz 3ph/480V/60Hz	3ph/480v/60Hz	
19.3x23.6x51.3	29.1x33x54.5	29.1x55.1x58.7	29.1x55.1x58.7	31x62x58.7
210	396.5	550	550	1,250
12.6	21.9	42(1ph/220V) 23.5(3ph/220V) 12.6(3ph/480V)	15.4	30
15	30	50/30/15	20	50
2.74	4.62	9.0/10.4(480V)	12.8	23
2.3				
460/400	943	1940/1770	2200/1800	5,200
1,060/920	1,760/1,550	2,830	3,200	7,000
0.44	1.2	1.5	1.7	2
Aluminum Filter				
6-20	6-30	6-50 (1ph 220V)		
<ul style="list-style-type: none"> • High/Low Pressure Switch • Automatic Full Tank Shut-Off • Tank Position Detector (only HSC-14/18/24A) • 3min, Delay Timer • Thermostat Protector for Compressor • Fan Motor Protection 				
426	426	710	710	780
Terminal Type				
9.8	32.8	32.8	32.8	164
38~33	23	46	46	55
50~59				
R-410A(2.97)	R-410A(5.07)	R-410A(7.72)	R-410A(8.82)	R-410A
72°F DB 60%RH ~113°F DB 40%RH				
30	65.6	65.6	65.6	120

HSC-200	HSC-300
200,000	300,000
3ph/480v/60Hz	
72.8x114x57.5	81x130x71
3,197	4,630
40	50
-	-
27	35
5,650	8,476
11,300	16,952
2.2	3.75
Polyester Filter	
<ul style="list-style-type: none"> • High/Low Pressure Switch • Fan Motor Protection • Thermostat & Relief Valve for Compressor 	
1,136~1,420	1,136~1,704
164	164
82	82
R-410A	R-410A
164	164

The specification and design of the product above are subject to change for the performance improvement without notice.



Aluminum Filter for Condenser



Condensate Water Tank (5gal)



Remote Control Kit



Indoor Temperature Sensor (16ft)



Condensate Pump Kit



Warm Air Duct Dia. 12inch x 16ft

AIRREX HEATPUMP

AHSC-18

Air Conditioning and Heating in one System!

Airrex has designed a portable heat pump that can be utilized in year round applications. Heat pumps have the ability to move heat energy from one environment to another, and in either direction. Portable heat pumps by Airrex have the ability to be switched from cooling mode to heating mode. In cooling mode a heat pump works the same as an ordinary air conditioner (A/C). In heating mode the unit absorbs the heat from the refrigeration cycle and converts it into warm air (HEAT).



AHSC-18

- Cooling Capacity : 16,800 BTU/h
- Heating Capacity : 18,500 BTU/h
- Weight : 210 lbs
- Size (WxDxH) : 19.5x26.6x52.2 inch
- Power Consumption : Cool 1.85 kW (95° F 40%RH)
Heat 1.8 kW (70° F 60%RH)
- Power : 16 amp. (95° F 40%RH) / 115V.a.c 60Hz 1Ph

Airrex – Engineered Climate Solutions!



Louver Grille

- Up, down, right and left wind direction changeable



Digital Controls

- Programmable timer
- Temperature Range : 50°F~86°F
- High/Low Fan Speed
- Easy cool and heat changeable



Condensate Tank LCDI Protection

- 5 Gallon Tank
- Auto Shutoff
- LCDI Recessed Power Cords
- Standard 115 Volt Power



4-Way Reversing Valve

- Core valve for hot and cool operating system

AIRREX DEHUMIDIFIER

ADH-100

The Airrex ADH-100, is a fully portable dehumidifier providing rapid drying and humidity control.

These units are utilized by restoration companies for building drying, process drying, and general dehumidification.

Features Include:

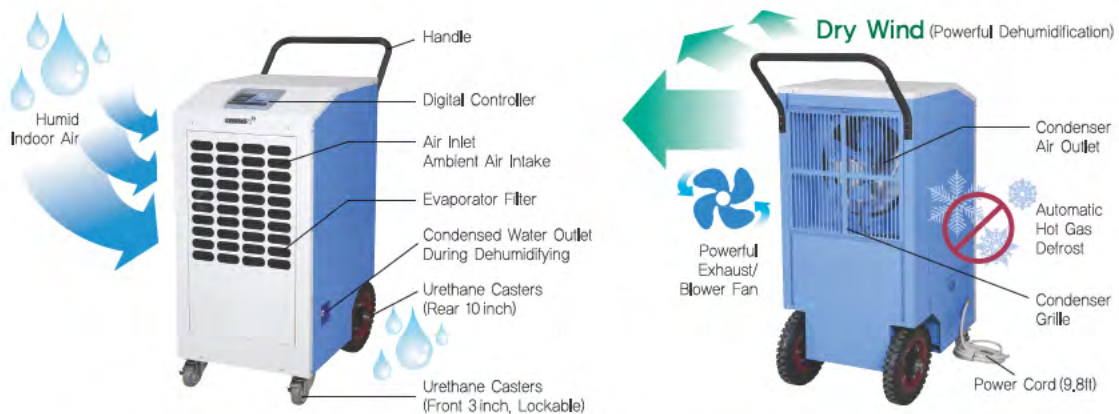
- Efficient Rotary Compressor
- Adjustable Humidistat
- Condensate Pump
- Automatic Hot Gas Bypass
- R-410A



ADH-100

- Water Removal Max (90° F 80%RH) : 210 pints/100 liters/per day
- Water Removal AHAM (80° F 60%RH) : 170 pints/80 liters/per day
- Power : 10 amp. (80° F 60%RH) / 115V.a.c 60Hz 1Ph
- Size (WxDxH) : 19.9x22.7x39.2 inch
- Power Consumption : 1,2 kW
- Weight : 132 lbs
- Process Air : 400 CFM

Airrex – Engineered Climate Solutions!



Digital Controls

- Off timer : 24hr.
- Adjustable 4 steps fan intensity
- Error messaging
- Current and set humidity display



Built-in Drain Pump

Powerful auto condensate drain



Air Filter

Automatic humidistat according to set humidity



Manual Condensate Drain Button

Before moving the dehumidifier, push this button not to overflow the remaining condensate water

AIRREX Negative Air / HEPA Filtration Machine

HSC-HEPA2000

Each Airrex HEPA filtration machine is equipped with a high efficiency HEPA filter

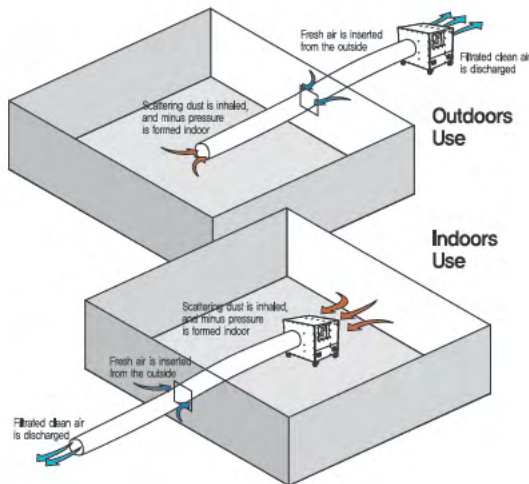
Airrex Negative Air Machines feature 3-stage filtration—prefilters to capture larger particulates a secondary filter to capture smaller particulates and HEPA filters to capture microscopic particulates. They are utilized for cleaning the air of a variety of air born contaminants.

Applications Include: Construction sites, Hospitals, Universities, and Restoration applications.

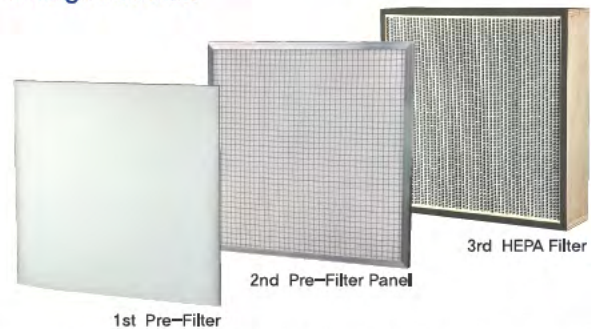


HSC-HEPA2000

- Voltage : 115Va.c 60Hz
- AirFlow (High) : 1,950 CFM
- AirFlow (Low) : 1,410 CFM
- Power Consumption : 1,25 kW(High), 1,06 kW(Low)
- Weight : 132 lbs
- Size (W×D×H) : 28,5×30×30 inch



3 Stage Filtration



The Airrex HSC-HEPA2000 filter is a type of high efficiency particulate air filter. The air filter can remove at least 99.97% of airborne particles 0.3 micrometres in diameter. Particles of this size are the most difficult to filter and thus the most penetrating particle size. Particles that are larger or smaller are filtered with even higher efficiency. HEPA filters are the most effective air filtration filters to remove Contaminants from the air.

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