



HWCAC

- CHW** Slope or Flat Top Console Units
- HHW** Horizontal Units
- VCHW** Vertical Closet Units
- VSHW** Vertical Stack Units

Hybrid Water-Cooled
Air Conditioner Unit
Product Line

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About ICE AIR

ICE AIR has over 45 years of industry experience in developing and manufacturing a wide variety of HVAC units to provide superior new construction heating and cooling systems and to replace old installations. ICE AIR offers advanced green technologies and provides world-class comfort at high efficiency levels, meeting environmental standards and promoting a healthy environment.

ICE AIRs state-of-the-art units come with digital controls designed to optimize user comfort and ease of operation. ICE AIR products are designed to provide years of trouble-free operation and reliable performance in multi-family housing, hotels/motels, dormitories, commercial buildings and similar projects. Units are ideal for new construction, retrofit and replacement applications.

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Overview

Quiet Comfort...Efficient Control...Flexible Design

ICE AIR Hydronic Hybrid Water-Cooled Air Conditioners (HWCAC) provide reliable performance, high-efficiency cooling operation with an advanced hot water coil that provides hydronic heat for an entire room without using the unit's compressor.

ICE AIR HWCACs utilize the highest quality materials and manufacturing practices. The high capacity heating coil operates at low Entering Water Temperatures (EWT), between 95°-125°F. An optional EC motor meets green energy requirements.

Maintaining the highest quality product means ICE AIR products meet all UL standards and conform to ASHRAE 90.1, local building codes and energy standards. All ICE AIR products are ETL-listed for safety in the U.S. and Canada.

Every project is different with distinctive needs outside of providing comfort to the space. ICE AIR hybrid units are available in a multitude of piping configurations with a wide variety of options and accessories to create a custom design tailored to the needs of the project.



Console



ICE AIRs Console Hybrid Water-Cooled Air Conditioners (CHW) independently provide comfort cooling and heating within a room and are often located against walls

or beneath windows of a room to accommodate maximum load requirements. These floor console units offer superior performance and are piped to a central water loop.

MODEL			5CHW09	5CHW13	8CHW09	8CHW13	8CHW16	8CHW19
Cooling 2GPM/Ton @ 86F EWT	Total Cooling	BTU/h	9400	12400	9400	12400	16300	19600
	Sensible Cooling	BTU/h	7200	10600	7200	10600	12700	15300
	Airflow	CFM	320	460	320	460	500	630
	Water Flow	GPM	1.5	2.0	1.5	2.0	2.5	3.1
	EER w/ECM		14.6	14.9	14.6	14.9	14.0	13.7
	EER w/PSC		14.1	14.4	14.1	14.4	13.5	13.2
Cooling 3GPM/Ton @ 86F EWT	Total Cooling	BTU/h	9900	13000	9900	13000	17100	20600
	Sensible Cooling	BTU/h	6900	9100	6900	9100	13300	16100
	Airflow	CFM	400	560	400	560	590	630
	Water Flow	GPM	2.3	2.3	2.3	2.3	2.3	2.3
	EER w/ECM		15.3	15.6	15.3	15.6	14.7	14.4
	EER w/PSC		14.8	15.1	14.8	15.1	14.2	13.9
Heating @ 2GPM/Ton	EWT 95F		8800	12500	8800	12500	13800	17300
	EWT 105F		9300	13100	9300	13100	14500	18200
	EWT 110F		9700	13800	9700	13800	15300	19100
Heating @ 3GPM/Ton	EWT 95F		9200	13100	9200	13100	14500	18100
	EWT 105F		9700	13800	9700	13800	15300	19100
	EWT 110F		10200	14500	10200	14500	16000	20000

VSHW

Vertical Stack

When space is an issue, ICE AIRs Vertical Stack Hybrid Water-Cooled Air Conditioner (VSHW) provides an ideal solution for whisper quiet cooling and heating within a tight footprint. With the lowest sound levels and smallest footprints available, our VSHWs offer superior value – efficiently heating and cooling with full thermal and acoustical insulation, advanced electronic control interface, high and low pressure protection, and condensate overflow sensors.



MODEL			8VSHW09	8VSHW12	8VSHW15	8VSHW18	8VSHW20	8VSHW24	8VSHW30	8VSHW36
Cooling 2GPM/Ton@ 86F EWT	Total Cooling	BTU/h	9900	12200	14100	16800	20000	24300	29200	36300
	Sensible Cooling	BTU/h	8600	9600	11500	13600	15200	18400	24100	30500
	EER w/ECM		14.8	14.0	14.1	14.2	13.2	13.4	13.4	14.5
	EER w/PSC		14.3	13.5	13.6	13.7	12.7	12.9	12.9	14.0
	Water Flow	GPM	1.5	2.0	2.5	3.0	3.5	4.0	5.0	6.0
	Fan Data	CFM	410	450	530	620	710	800	1090	1300
Cooling 3GPM/Ton@ 86F EWT	Total Cooling	BTU/h	10400	13800	14800	17600	21000	25500	30700	38100
	Sensible Cooling	BTU/h	9000	11800	12100	14300	15900	19300	25300	32100
	EER w/ECM		15.5	14.8	14.8	14.9	13.9	14.1	14.1	14.9
	EER w/PSC		15.0	14.3	14.3	14.4	13.4	13.6	13.6	14.4
	Water Flow	GPM	2.3	3.0	3.8	4.5	5.0	6.0	7.5	9.0
	Fan Data	CFM	410	450	530	620	710	800	1090	1300
Heating 2GPM/Ton @ Listed EWT	120F Total	BTU/h	11900	12800	15700	17400	22200	27600	28800	29200
	105F Total	BTU/h	8500	12200	13900	14900	21200	22100	27400	27800
	95F Total	BTU/h	6200	11600	10400	14200	20100	21000	26000	26400
Heating 3GPM/Ton @ Listed EWT	120F Total	BTU/h	12500	13400	18200	16500	23300	29000	30200	37900
	105F Total	BTU/h	8900	12800	14600	15700	22200	23200	28800	29200
	95F Total	BTU/h	6500	12200	10900	14900	21100	22100	27300	27800

HHW

Horizontal



Conserve floor space with ICE AIRs Horizontal Hybrid Water-Cooled Air Conditioners (HHW). Its low profile design is unobtrusive with a

seamless appearance on the ceiling – they are completely concealed with an access panel control box.

Flexible control options, variable air discharge outlets, and easy service

access provide superior design and installation options.

High efficiency fan motors provide low operating costs and reduced energy consumption.

MODEL			8HHW09	8HHW12	8HHW15	8HHW18	8HHW24	8HHW30	8HHW36	8HHW42	8HHW48	8HHW60	8HHW70
Cooling 2GPM/Ton @ 86F EWT	Total	BTU/h	9400	12500	15600	16900	25000	31200	37400	43700	49900	62400	72800
	Sensible	BTU/h	6800	10300	12000	14300	21600	25700	30200	35300	40300	50400	58800
	Airflow	CFM	350	440	540	630	850	1060	1200	1400	1600	2000	2400
	Flow Rate	GPM	1.5	2.0	2.5	3.0	4.0	5.0	6.0	7.0	8.0	10.0	11.7
	EER w/ECM		15.0	15.3	15.1	15.2	14.9	15.1	15.8	16.3	15.8	15.8	15.8
	EER w/PSC		14.5	14.8	14.6	14.7	14.4	14.6	15.3	15.8	15.3	15.3	15.3
Cooling 3GPM/Ton @ 86F EWT	Total	BTU/h	9500	13600	16800	19100	29300	34400	42300	47200	56400	70500	82300
	Sensible	BTU/h	6900	9900	12300	13900	21400	25100	30900	34800	41200	51500	60100
	Airflow	CFM	350	440	540	630	850	1060	1200	1400	1600	2000	2400
	Flow Rate	GPM	2.3	3.0	3.8	4.5	6.0	7.5	9.0	10.5	12.0	15.0	17.5
	EER w/ECM		15.5	16.2	15.9	15.9	15.7	15.9	16.7	16.5	16.7	16.7	16.7
	EER w/PSC		15.0	15.7	15.4	15.4	15.2	15.4	16.2	16.0	16.2	16.2	16.2
Heating @ 2GPM/ Ton	EWT@120 Total	BTU/h	9400	12500	15600	18700	25000	31200	37400	43700	49900	62400	72800
	EWT@105 Total	BTU/h	7000	8700	11000	13400	17500	21900	26300	30600	35100	43800	51500
	EWT@95 Total	BTU/h	5300	7100	8900	10700	14200	17800	21300	24900	28500	35600	41500
Heating @ 3GPM/ Ton	EWT@120 Total	BTU/h	10500	16900	13600	25500	21700	27000	32500	37800	43300	54100	63700
	EWT@105 Total	BTU/h	8500	12300	11000	18600	17600	22000	26400	30800	35200	50800	51300
	EWT@95 Total	BTU/h	6300	9200	10400	17700	16700	20900	25100	29200	33400	48300	48700

VCHW

Vertical Closet

Designed to operate within an equipment closet, ICE AIRs Vertical Closet Hybrid Water-Cooled Air Conditioners (VCHW) provide a clean look within rooms as well as optimal installation and maintenance conditions. These quiet units feature high EERs, efficient motors and low-speed fan operation for low operating costs and reduced energy consumption.



MODEL			8VCHW09	8VCHW12	8VCHW15	8VCHW18	8VCHW24	8VCHW30	8VCHW36	8VCHW42	8VCHW48	8VCHW60	8VCHW70
Cooling 2GPM/Ton @ 86F EWT	Total	BTU/h	10300	13500	16200	18900	28300	32600	35300	41200	47100	58900	70600
	Sensible	BTU/h	7200	10400	12500	14600	21700	23300	24700	28800	33000	41200	49500
	Airflow	CFM	350	440	540	630	850	1060	1200	1400	1600	2000	2400
	Flow Rate	GPM	1.5	2.0	2.5	3.0	4.0	5.0	6.0	7.0	8.0	10.0	11.7
	EER w/ECM		14.5	15.5	14.5	15.8	14.5	14.5	14.5	14.5	14.5	14.5	14.5
	EER w/PSC		14.0	15.0	14.0	15.3	14.0	14.0	14.0	14.0	14.0	14.0	14.0
Cooling 3GPM/Ton @ 86F EWT	Total	BTU/h	10800	14300	17100	19900	29800	34300	37200	43400	49600	62000	74400
	Sensible	BTU/h	7600	10900	13200	15400	22900	24500	26000	30400	34700	43400	52100
	Airflow	CFM	350	440	540	630	850	1060	1200	1400	1600	2000	2400
	Flow Rate	GPM	2.3	3.0	3.8	4.5	6.0	7.5	9.0	10.5	12.0	15.0	17.5
	EER w/ECM		14.8	16.3	14.8	16.6	15.2	14.8	14.8	14.8	14.8	14.8	14.8
	EER w/PSC		14.3	15.8	14.3	16.1	14.7	14.3	14.3	14.3	14.3	14.3	14.3
Heating @ 2GPM/ Ton	EWT@120 Total	BTU/h	9800	12600	16500	20500	27900	33600	39000	45500	52000	65000	75800
	EWT@105 Total	BTU/h	7000	8300	11900	14400	19900	24200	28100	32800	37400	46800	54600
	EWT@95 Total	BTU/h	5900	5100	9900	8800	21200	20200	23400	27300	31200	39000	45500
Heating @ 3GPM/ Ton	EWT@120 Total	BTU/h	10000	12300	17000	21600	29000	34600	40200	46900	53600	67000	78100
	EWT@105 Total	BTU/h	7200	8900	12300	15600	20800	24900	28900	33700	38600	48200	56200
	EWT@95 Total	BTU/h	6000	5400	10200	9500	12700	20800	24100	28100	32100	40200	46900

Customized Solutions



7-Day Programmable



nest



Wireless

Made2Measure

ICE AIR Made2Measure customized HVAC solutions allow for customization of our units and accessories to meet your specific requirements.

Efficient Programmable Control Options

Optional wall-mounted remote controls are available for all ICE AIR HWCACs offering state-of-the-art controls that optimize user

comfort and ease of

operation while minimizing energy consumption.

Wireless and WiFi controls are available as well.

How can we work with you?

Put your next replacement/retrofit project into the hands of the HVAC equipment specialists at ICE AIR! Looking for World Class Comfort®?

ICE AIR delivers breakthrough products, service and savings.

We guarantee that we will deliver a winning program of product excellence, unbeatable savings, industry-leading services and superior know-how on your next project.

Ever since our inception, we have been dedicated to maintaining superior performance, quality manufacturing and customer value. With over 45 years of project management experience, you can trust our adherence to demanding architectural and engineering requirements. Plus, with our strong focus on high quality, technology and efficiency, we will exceed your expectations for reliability and product value. And, with ICE AIR, on-time delivery and cost savings are built into every order!

Call ICE AIR today at

877-ICE-AIR-1 (877-423-2471) or

email us at sales@ice-air.com.



Other Products

FCU



Horizontal Concealed



Horizontal Ultra Thin



Vertical Concealed



Vertical Exposed



Hi Rise



In-Wall

Fan Coil Units

This simple and easy cooling and heating solution provides reliable performance, high efficiency, ease of operation, low cost, easy installation, quiet comfort and a variety of solution-based options.

The FCIW is a cost-effective in-wall, heat only, built-in system that offers whisper quiet fan operation that is an ideal solution for residential spaces trying to conserve floor space.

Options include:

- 2-pipe and 4-pipe systems
- Customized valve packages
- Customized sheet metal

PTAC



Packaged Terminal Air Conditioners

PTACs are designed for ultra-high efficiency and comply with LEED® criteria in a durable, user-friendly package. Available for new construction, retrofit and ExactFit™ replacement applications.

SPAC/HP



Single Packaged Air Conditioner/Heat Pumps

As a unique air-to-air system, SPAC/HPs that provides versatility with ultra-quiet operation. The SPAC/HP is designed to cool and heat single or multiple spaces within multi-family, lodging, dormitory or light commercial buildings.

WSHP



Console



Horizontal



Vertical
Stack



Vertical
Closet

Water Source Heat Pumps

WSHPs are combination heating and cooling units that provide efficient room-by-room comfort. Units function independently and are piped to a central water loop. These state-of-the-art units come with user friendly digital controls designed to optimize user comfort and ease of operation.





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