



WSHP

- CHPW** Slope or Flat Top Console Units
- HHPW** Horizontal Units
- VCHPW** Vertical Closet Units
- VSHPW** Vertical Stack Units

Water Source Heat Pump Unit
Product Line

Contents

| | |
|---------------------------|---|
| Overview | 3 |
| Slope or Flat Top Console | 4 |
| Vertical Stack | 5 |
| Horizontal | 6 |
| Vertical Closet | 7 |
| Customizing Solutions | 8 |
| Other Products | 9 |

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.

CHPW Slope Top, Page 4



CHPW Flat Top, Page 4



VSHPW Vertical Stack, Page 5



HHPW Horizontal, Page 6



VCHPW Vertical Closet, Page 7



Overview

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

ICE AIR Water Source Heat Pump (WSHP) units combine reliable performance with high-efficiency cooling and heating operation.

ICE AIR WSHPs utilize the highest quality materials and manufacturing practices in order to provide quiet comfort operation. Thermal and sound insulation, paired with precisely-sized air handling components deliver low sound levels while achieving optimum comfort. Work without distraction. Sleep without noise. ICE AIR units create a comfortable environment so quiet it's almost undetectable.

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 Water Source Heat Pumps provide independent 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 | | 5CHPW09 | 5CHPW13 | 8CHPW09 | 8CHPW13 | 8CHPW16 | 8CHPW19 |
|------------------|---------|---------|---------|---------|---------|---------|---------|
| Total Cooling | BTU/h* | 9900 | 13000 | 9900 | 13000 | 17100 | 20600 |
| Sensible Cooling | BTU/h | 6900 | 9100 | 6900 | 9100 | 13300 | 16100 |
| Heating Capacity | BTU/h** | 10000 | 13200 | 10000 | 13200 | 17300 | 19500 |
| Heating COP | | 4.6 | 4.4 | 4.6 | 4.4 | 4.9 | 4.3 |
| Airflow | CFM | 400 | 560 | 400 | 560 | 590 | 630 |
| Water Flow | GPM | 2.3 | 3.0 | 2.3 | 3.0 | 3.8 | 4.5 |
| 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 |
| Voltage | | 115 | 115 | 208/230 | 208/230 | 208/230 | 208/230 |
| Amperage - ECM | | 5.6 | 7.2 | 3.1 | 4.0 | 5.6 | 6.9 |
| Amperage - PSC | | 5.8 | 7.5 | 3.2 | 4.1 | 5.8 | 7.1 |
| Watts - ECM | | 646 | 831 | 646 | 831 | 1163 | 1432 |
| Watts - PSC | | 668 | 858 | 668 | 858 | 1204 | 1484 |
| Cabinet | Height | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 | 21.5 |
| | Depth | 11 | 11 | 11 | 11 | 11 | 11 |
| | Length | 46 | 46 | 46 | 46 | 54.0 | 54.0 |
| | Weight | 175 | 180 | 175 | 180 | 190 | 195 |

Specifications subject to change due to ongoing development
 *BTU/h at 80.6°F DB, 66.2°F WB EAT; 86°F EWT
 **BTU/h at 68°F DB, 59°F WB EAT; 68°F EWT
 Water flow @ 3GPM/Ton

VSHPW

Vertical Stack

ICE AIRs Vertical Stack WSHP units provide an ideal solution for whisper quiet cooling and heating within a tight footprint. With the lowest sound levels and smallest footprints available, our VWSHPs 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 | | 8VSHPW09 | 8VSHPW12 | 8VSHPW15 | 8VSHPW18 | 8VSHPW24 | 8VSHPW30 | 8VSHPW36 |
|----------------|------------------|----------|----------|----------|----------|----------|----------|----------|
| Cooling | Capacity (BTU/h) | 9,100 | 12,500 | 13,900 | 18,100 | 25,400 | 31,200 | 36,500 |
| | EER | 13.0 | 13.0 | 13.1 | 13.0 | 13.3 | 13.0 | 13.0 |
| Heating | Capacity (BTU/h) | 12,500 | 15,100 | 18,100 | 24,300 | 31,300 | 35,400 | 40,700 |
| | EER | 4.5 | 4.5 | 4.6 | 4.5 | 4.5 | 4.5 | 4.4 |
| Voltage | | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 | 208/230 |
| Amperage | | 3.4 | 4.6 | 5.1 | 6.7 | 9.2 | 11.6 | 13.5 |
| Watts | | 700 | 960 | 1,060 | 1,390 | 1,910 | 2,400 | 2,800 |
| Waterflow GPM | | 2.3 | 3.0 | 3.8 | 4.5 | 6.0 | 7.5 | 9.0 |
| Air Flow (CFM) | High | 400 | 450 | 550 | 680 | 800 | 1,050 | 1,250 |
| | Medium | 360 | 410 | 505 | 640 | 755 | 1,010 | 1,205 |
| | Low | 280 | 335 | 445 | 565 | 695 | 945 | 1,140 |
| Dimension | Height | 88" | 88" | 88" | 88" | 88" | 88" | 88" |
| | Depth | 17" | 17" | 17" | 20" | 20" | 24" | 24" |
| | Length | 16" | 16" | 16" | 18" | 18" | 22" | 22" |
| Weight | | 117/154 | 122/156 | 126/158 | 135/154 | 138/167 | 160/260 | 165/264 |

Horizontal



Conserve floor space with ICE AIRs Horizontal WSHPs. 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 | | HHPW09 | HHPW12 | HHPW15 | HHPW18 | HHPW24 | HHPW30 | HHPW36 | HHPW42 | HHPW48 | HHPW60 | HHPW70 |
|----------------|--------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Voltage | | 208 | | | | | | | | | | |
| Cooling | Capacity (BTU/h)* | 9,000 | 11,500 | 14,300 | 18,500 | 23,500 | 28,000 | 35,000 | 40,000 | 47,000 | 60,000 | 67,000 |
| | EER | 14.0 | 13.5 | 13.5 | 13.5 | 14.0 | 14.0 | 15.0 | 13.7 | 13.8 | 13.7 | 14.0 |
| Heating | Capacity (BTU/h)** | 11,000 | 14,500 | 17,200 | 22,000 | 29,500 | 35,500 | 42,000 | 46,500 | 55,000 | 71,500 | 77,000 |
| | COP | 4.8 | 4.5 | 4.5 | 4.8 | 4.8 | 4.7 | 4.7 | 4.6 | 4.4 | 4.6 | 4.5 |
| Air Flow (CFM) | | 300 | 400 | 500 | 600 | 800 | 1,000 | 1,200 | 1,400 | 1,600 | 2,000 | 2,400 |

Specifications subject to change due to ongoing development
 *BTU/h at 80.6°F DB, 66.2°F WB EAT; 86°F EWT
 **BTU/h at 68°F DB, 59°F WB EAT; 68°F EWT
 Water flow @ 3GPM/Ton

VCHPW

Vertical Closet

Designed to operate within an equipment closet, ICE AIRs Vertical Closet WSHP provides 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 | | VCHPW09 | VCHPW12 | VCHPW15 | VCHPW18 | VCHPW24 | VCHPW30 | VCHPW36 | VCHPW42 | VCHPW48 | VCHPW60 | VCHPW70 |
|-------------|--------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Voltage | | 208 | | | | | | | | | | |
| Cooling | Capacity (BTU/h)* | 9,000 | 11,750 | 14,300 | 18,500 | 24,000 | 29,000 | 35,500 | 40,000 | 46,500 | 60,000 | 67,000 |
| | EER | 13.0 | 14.0 | 13.5 | 13.5 | 14.0 | 14.0 | 15.0 | 14.0 | 13.8 | 13.8 | 13.9 |
| Heating | Capacity (BTU/h)** | 11,500 | 14,500 | 17,200 | 22,500 | 29,500 | 35,000 | 42,500 | 46,000 | 56,500 | 72,000 | 75,000 |
| | COP | 5.0 | 4.5 | 4.8 | 4.5 | 4.5 | 4.5 | 4.8 | 4.5 | 4.4 | 4.5 | 4.5 |
| Typical CFM | | 300 | 400 | 500 | 600 | 800 | 1,000 | 1,200 | 1,400 | 1,600 | 2,000 | 2,400 |

Specifications subject to change due to ongoing development
 *BTU/h at 80.6°F DB, 66.2°F WB EAT; 86°F EWT
 **BTU/h at 68°F DB, 59°F WB EAT; 68°F EWT
 Water flow @ 3GPM/Ton

Customized Solutions



Made2Measure

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



7-Day Programmable

Efficient Programmable Control Options

Optional wall-mounted remote controls are available for all ICE AIR WSHPs 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.



nest



Wireless

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!

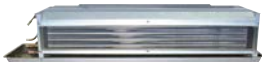
Call ICE AIR today at

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.

HWAC



Console



Vertical Stack



Vertical Closet



Horizontal

Hybrid Water-Cooled Air Conditioners

The HWAC is an innovative system that combines high-efficiency cooling with a hot water coil that provides hydronic heat without using the unit's compressor. When coupled with a highly efficient condensing boiler, these units provide the most cost-effective and efficient method of space heating for multi-family buildings.





80 Hartford Avenue, Mount Vernon, NY 10553

Tel: 877-ICE-AIR-1 (877-423-2471)

Fax: 914-668-5643

email: sales@ice-air.com

www.ice-air.com

© 2017 by ICE AIR, LLC ICE6030.1 10/17

Due to ICE AIRs ongoing product development programs,
the information in this document is subject to change
without notice.