



ENVIRONMENTAL EFFICIENCY

Green Solutions

from ICE AIR



The
Green *by Ice Air*
Zone



Reduce costs, gain LEED points and increase environmental efficiency with ICE AIR. A pioneer in “green” HVAC technology, ICE AIR has been at the forefront of creating innovative, eco-friendly solutions since the company’s inception.

ICE AIR’s Packaged Terminal Air Conditioners (PTACs) and Water Source Heat Pumps (WSHPs) use R-410A non-ozone-depleting Green refrigerant. ICE AIR also manufactures the highest efficiency hydronic PTACs on the market, with Energy Efficiency Ratings as high as 12.0.



As a member of the USGBC (Green Building Council) and the Urban Green Council, we are committed to delivering highly efficient comfort conditioning equipment that provides multiple benefits to our customers – including lower operating costs, enhanced LEED points and a healthy environment. And, ICE AIR has designed, patented and manufactured a variety of enhanced products to further increase the thermal and environmental efficiency of your new construction and retrofit projects.

ThermalGuard™

**ADVANCED
THERMAL
EFFICIENCY
in PTAC WALL
SLEEVES**

ThermalGuard™ is a patented technology that eliminates heat transfer from a building’s exterior through the wall sleeve casing.

Typical PTAC and thru-wall sleeves are made of sheet metal and transfer heat from the outside air to the building interior. This causes your PTAC units to work over-time – summer and winter – to overcome this inefficient thermal transfer, often eliminating any gains from higher PTAC energy efficiencies.

With ThermalGuard technology greatly reducing heat transfer, your PTACs run more efficiently and make a stronger contribution to overall building efficiency.

Features:

- Heavy duty, galvanized steel construction
- Custom depths available to match any wall depth or configuration
- Available for all exterior walls, including masonry, precast, panel walls, EIFS and other built-up walls
- Powder coating available for additional corrosion resistance
- Also available for standard thru-wall units

STATE-OF-THE-ART FRESH AIR SOLUTIONS

OUTSIDE AIR MODULE

ICE AIR’s patented Outside Air Module (OAM) provides up to 150 cfm of filtered, tempered outside air thru our PTAC units, eliminating the need for a separate make-up air system or window mounted “Trickle Vents.” The OAM brings fresh air from the building’s exterior, then filters and tempers it and mixes it with air from inside the room, for a single, refreshing air stream.

Customers can achieve significant upfront building cost-savings by eliminating expensive makeup air systems, and meet code requirements for fresh air intake directly through the PTAC units.

Fabricated from 18-gauge sheet metal, the fully insulated module has an easily removable top cover to allow access for filter replacement and unit maintenance.

Features:

- Factory settings from 50 to 150 cfm
- Easy maintenance access to filter and components
- Freeze protection below 32° F outside air temperatures
- Optional electric reheat strip

**OPTIMUM COMFORT
WITH OUR USER –
FRIENDLY, HIGH
EFFICIENCY
CONTROLS**

**ADVANCED
PROGRAMMABLE
CONTROLS**

7 DAY PROGRAMMABLE THERMOSTAT

- 5/2 or 7 day program options
- Factory or field set temperature limits
- Large clear display – in any lighting condition
- Auto Changeover Mode
- Easy to program
- Unit mounted or wall mounted



WIRELESS THERMOSTAT

- Easy programming
- Settings for morning, day, evening and night
- Clear backlit display readable in any lighting condition
- Auto changeover mode
- Optional remote temperature sensor is available
- Great for retrofit or new construction projects



ICE AIR's advanced thermostatic controls are user-friendly and designed for state-of-the-art efficiency. With easily programmed on/off and temperature settings for each day of the week and time of day, the 7 Day Programmable and Wireless Thermostats promote energy conservation and provide cost-efficient cooling and heating for all of our advanced HVAC equipment.

**GREEN HVAC
SOLUTIONS**

**THE GREENEST
PTAC – RSNU**



ICE AIR's products set the standard for environmentally friendly HVAC equipment. R-410A non-ozone-depleting refrigerant, ultra-high energy efficiencies, advanced digital controls and patented accessory technologies all help achieve optimum user comfort and significant energy savings while ensuring that our products safeguard the environment, inside the building and out.

ICE AIR's RSNU Series New Construction units are the highest energy efficient PTACs available. Designed from the ground up for ultra-high efficiency, they incorporate advanced LEED features in a durable and user-friendly package.

Features and Benefits:

- Advanced tangential indoor blower provides balanced air flow
- Whisper quiet sound levels
- Qualifies for NYSERDA and other utility and government rebates and credits*
- Heavy duty, commercial-grade construction throughout
- G90 galvanized steel construction
- Furniture-grade, powder-coated cabinetry
- OITC Construction – the highest rated (36 STC) unit minimizes sound transmission through the PTAC unit

*Check with your local utility or government agency for rebate availability and guidelines

For additional specs, visit www.ice-air.com/rsnu.

WATER SOURCE HEAT PUMP



WATER SOURCE HEAT PUMPS (WSHPs) are combination cooling and heating units which 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 digital controls designed to optimize user comfort and ease of operation. WSHPs 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.

Green Features:

- R-410A Green refrigerant
- 13.0+ EERs
- Advanced programmable controls
- Ultra-quiet

Available configurations:

- Horizontal
- Console
- Vertical Stack

FAN COIL UNIT



FAN COIL UNITS (FCUs) provide superior whisper quiet, energy efficient performance in facilities with a central chilled and hot water loop system. And, they are guaranteed to lower installation and operating costs on your new construction, retrofit or renovation projects. ICE AIR manufactures a variety of unit configurations, including freestanding cabinet units (Vertical Exposed), in-wall mounted units (Vertical Concealed, Hi-Rise Stack), and ceiling mount (Horizontal Concealed, Horizontal Concealed – Ultra Thin).

Green Features:

- Optional Electronically Commutated Motors (ECM)
- Advanced programmable controls

Download the full lines of WSHP and FCU products at www.ice-air.com.



**CUSTOM HVAC
EQUIPMENT –
ADVANCED PRODUCT
SOLUTIONS**

All of ICE AIR's advanced HVAC equipment can be customized for specific project and customer requirements. Please contact your local sales representative for solutions to your most difficult custom requirements, including:

- Retrofit and replacement of old or obsolete equipment
- Custom enclosures and sheet metal casings
- Special unit configurations and specifications

For more information, please go to our web site at www.ice-air.com/M2M.



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