



VSHPGE Series

Vertical Stack Geothermal
Water Source Heat Pumps



WSHP

VSHPGE Series

Go Green. Go Geothermal.

Geothermal heating and cooling systems are one of the most environmentally-friendly ways to heat and cool your building. They don't produce any carbon dioxide or any other greenhouse gases that contribute both to your increased carbon footprint and air pollution.

Ice Air's VSHPGE Vertical Stack Geothermal WSHPs have a low electricity demand, which in the course of a year could result in meaningful savings. The VSHPGE is a versatile geothermal heat pump available in a range of sizes and configurations for convenient installation. Fully compatible with geothermal conditions, Ice Air's Vertical Stack Geothermal WSHP offer high efficiencies — up to 21 EER in cooling on select models — and provide an ideal solution for whisper quiet cooling and heating within a tight footprint.



Ice Air's VSHPGE units are AHRI certified, meet all UL standards and conform to ASHRAE 90.1, local building codes and energy standards. Ice Air's AHRI Performance Certified VSHPGE models meet AHRI tier 1 efficiencies.



The VSHPGE Series complies with the NEEP Cold Climate Air Source Heat Pump (ccASHP) efficiency requirements. The Northeast Energy Efficiency Partnerships (NEEP) product listing identifies products best suited to electrify heating in cold climates.



The VSHPGE Series produce superior energy savings, which is especially important to satisfy the NYC Law 97 and other laws throughout the U.S., as well as helping projects comply with green building rating systems such as LEED®.



Meets Energy Star Tier 1 efficiency ratings and qualifies for the Inflation Reduction Act (IRA) tax credit. Other rebates, incentives, and tax credits may be available through state, federal, and local utility programs.

For additional information scan the code → or visit: www.ice-air.com/rebates/



Ice Air's full Water Source Heat Pump line includes Console WSHPs, Horizontal WSHPs, Vertical Closet WSHPs & Vertical Stack WSHPs.



Because the system works with the relative temperature of the earth instead of the variable temperatures above ground, geothermal heating and cooling systems use 40-60% less energy than conventional systems. In addition to offering energy cost savings, Ice Air geothermal systems provide many other benefits, such as:

Eco-friendly: The system uses ground heat, which is renewable and pollution-free.

Quieter operation: Designed to provide quiet operation.

Improved air quality: Geothermal systems offer fewer threats to indoor air quality – a benefit for everyone, especially those with asthma or allergies.

Longevity: A geothermal system can run for decades.

Features:

- R410A “green” refrigerant
- Highest efficiency in market
- 17.1+ EER
- 3.6+ COP
- Advanced controls on every unit
- Industry best sound levels

SERIES MODEL #	8VSHPGE09	8VSHPGE12	8VSHPGE15	8VSHPGE18	8VSHPGE24	8VSHPGE30
Cooling Capacity (Btu/h)	11,000	13,800	15,000	19,500	24,800	30,000
Sensible Capacity (Btu/h)	9,500	10,800	12,100	15,400	18,600	24,000
EER	21.3	20.1	17.5	18.7	18.4	17.3
Heating Capacity (Btu/h)	6,500	9,000	10,500	13,400	17,000	21,900
COP	3.64	3.7	3.7	3.63	3.66	3.6
Flow Rate (GPM)	2.3	3	3.8	4.5	6	7.5
Air Flow (CFM)	460	500	560	620	800	1000
Voltage/Hz/Ph	208-230/60/1					
Compressor RLA	3.25	4.1	5.5	6.1	9.15	11.25
Compressor LRA	20	27	28.5	35.6	43	62
Fan Motor FLA	2					3.98
MCA	6.6	7.6	9.4	10.1	13.9	19
MOP	9.3	11.2	14.4	15.7	22.6	29.3
Fuse Size	15				20	25

SPECIFICATION NOTES:

COOLING CAPACITY BTUH RATED AT @ 80.6°F, 66.2°F WB EAT 77°F EWT @ 3 GPM/TON

HEATING CAPACITY BTUH RATED AT @ 68°F DB, 59°F WB EAT, 32°F EWT @ 3 GPM/TON

The performance data shown above is based on standard equipment under the provided design conditions. Performance may vary depending on equipment configuration and project site conditions.

Electrified Product Family



* By making energy-saving upgrades today, you can give your building a head start on upcoming changes to city regulations such as NYC Law 97.

RSXC Series*

Cold Climate PTHPs give you the performance of a VRF system with the convenience of a PTAC. Using breakthrough cold climate technology allows Ice Air PTHPs to efficiently provide space heating down to -5°F and below.



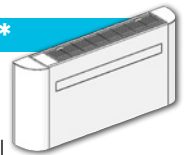
RSXC-S Series*

Ice Air's RSXC-S Series Cold Climate heat pumps offer a slim, sleek design and efficiently provide space heating to -5°F and below.



RSXC-DH Series*

RSXC-DH air source heat pumps are compact, with advanced, two-stage dual heating capabilities (partial cold climate operation down to 23°F then supplemental electric heat resistance for increased output).



SPXC Series*

Cold Climate SPHPs are self-contained, concealed, ducted systems. This line of vertical packaged heat pumps serves multiple spaces through concealed ductwork to efficiently provide space heating to -5°F and below.



HPWH Series*

Air-Source Cold Climate Heat Pump Water Heaters capture the free energy in the environment and convert it to hot water. These units are certified to operate down to -13°F.



HPWH-SC Series*

Air-Source Cold Climate heat pump chiller heaters capture free energy in the environment to provide both hot and chilled water. These units are certified to operate down to -13°F.



VSHPGE Geothermal*

Ice Air's Geothermal WSHP is a versatile geothermal heat pump that is available in a range of sizes and configurations for convenient installation. Fully compatible with geothermal conditions, it provides an ideal solution for whisper quiet cooling and heating within a tight footprint.



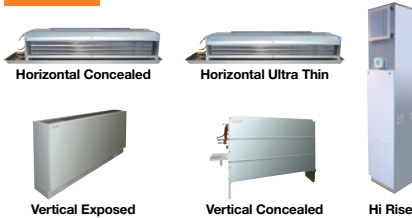
New technologies like Variable Refrigerant Flow (VRF) are on the move. There is no denying the benefits of VRF any longer, and with Ice Air VRF, these benefits are delivered simply and effectively.



Other Products

FCU

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.

HWAC

Hybrid Water-Cooled Air Conditioners



HWACs provide hydronic heat without using the unit's compressor through an innovative system that combines high-efficiency cooling with a hot water coil.

WSHP

Water Source Heat Pumps



WSHPs provide efficient room-by-room comfort. Units function independently and are piped to a central water loop.

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.



NEW! Ice Air CEU Webinar

Learn more about the role HVAC electrification plays in building decarbonization today at www.iceairceu.com.



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