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**Complete Air Conditioning  
& Heating in one system**

***The only air source heat pump  
designed for ANY climate.***

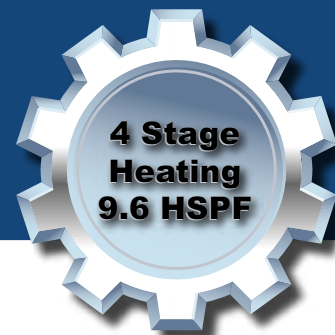



**Hallowell All Climate Heat Pump  
Models: 36C/35H & 42C/46H**


Made in the U.S.A.  
Verified performance for  
Northern Climates


# Engineered to deliver maximum comfort.


You depend on your heating and cooling system to maintain your home comfort, day in and day out. That's exactly why we designed the ACHP system with inherent durability and reliability to ensure maximum comfort regardless of the temperature outside.




 **Comfortable:** The ACHP system efficiently provides consistent year round comfort throughout your home.


 **Enhanced Control:** Hallowell provides enhanced control features which allow our systems to perfectly balance your home heating needs while optimizing comfort and efficiency.


 **Flexible:** By modulating between operating modes, the ACHP adapts to the ever-changing weather conditions to keep your family comfortable.


 **Reliable:** Hallowell uses only the highest-quality and most reliable HVAC components to assemble each of our products. Each system is rigorously tested and quality assured for years of dependable performance.


 **Efficient:** The ACHP heats and cools your home while maintaining efficiencies above 200% throughout its entire operating range (even at temperatures well below zero), something no


other air source heat pump or furnace can do.

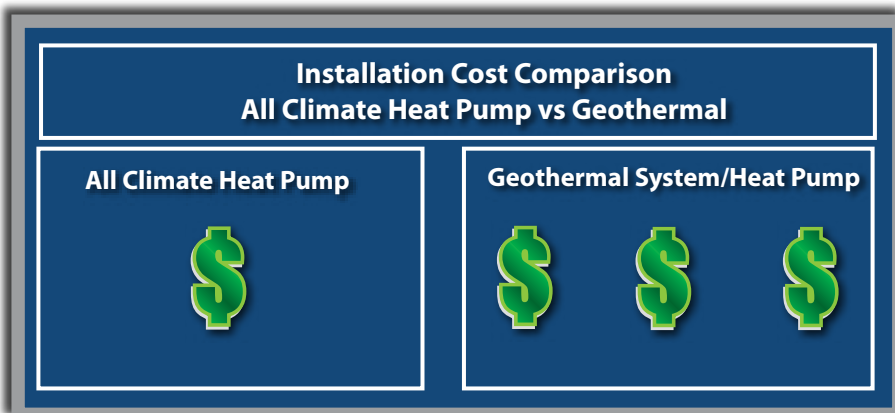
 **Quiet:** The ACHP has been acoustically optimized for reduced sound levels inside and out.

 **Safe:** The ACHP system does not burn natural gas, propane, or oil, so there are no potentially dangerous combustion gases or flames within your home.

 **Clean:** Environmentally sound alternative to fossil fuel systems while providing enhanced air quality, comfort and efficiency within your home.

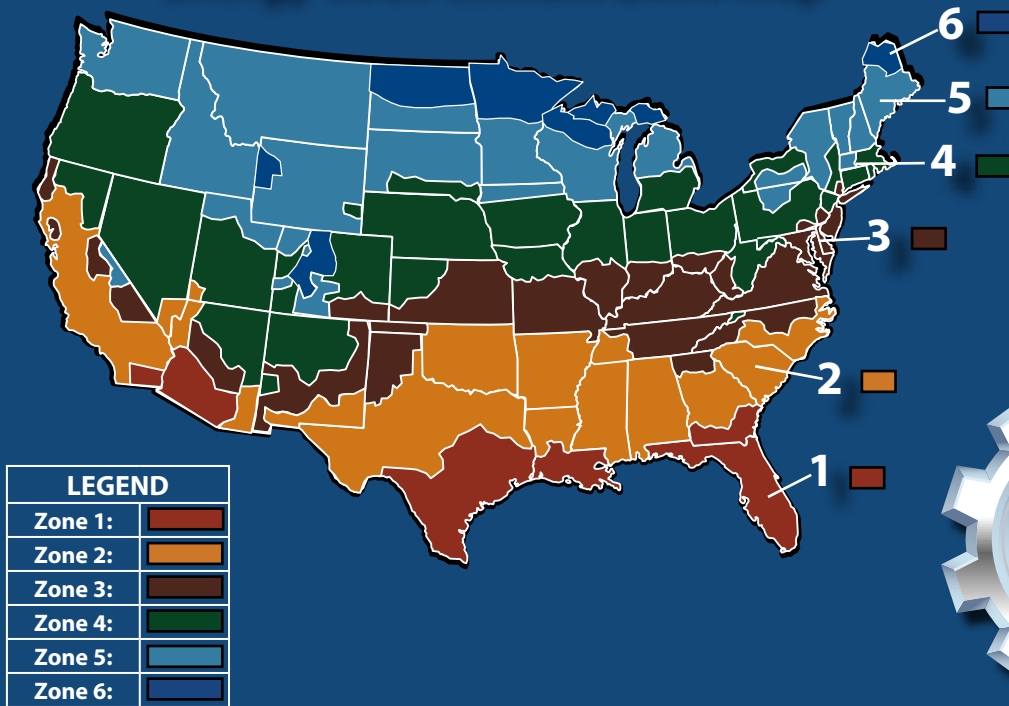
 **Durable:** This sturdy outdoor cabinet design not only looks great, but is extremely durable and rugged.

 **Patented Opti-Cycle Technology:** Enhances heating performance while maintaining system efficiency at temperatures well below zero.



Geothermal Heat Pump installations have been known to cost up to three times the cost of a standard air source heat pump installation. Installation cost may vary. Consult your local HVAC technician for actual pricing.

# Energy Code Climate Zone Map



## How Much Lower Could Your Heating Cost Be?

Based on 2005 - 2006 U.S. Average Energy Rates		Electric Furnace 100% Efficient Plus 14 SEER A/C	Older Oil System 75% Efficient Plus 8 SEER A/C	Older Natural Gas System 85% Efficient Plus 8 SEER A/C	Newer Oil System 85% Efficient Plus 14 SEER A/C	Newer Natural Gas System 92% Efficient Plus 14 SEER A/C	Hallowell 14 SEER All Climate Heat Pump
		Electric Rate Fuel Price	\$0.10 / kW-Hr N/A	\$0.10 / kW-Hr \$2.35 / Gallon	\$0.10 / kW-Hr \$1.46 / Therm	\$0.10 / kW-Hr \$2.35 / Gallon	\$0.10 / kW-Hr \$1.46 / Therm
Zone 6	Heating Cooling	\$3,515 \$39	\$2,725 \$68	\$2,061 \$68	\$2,404 \$39	\$1,904 \$39	\$1,406 \$39
	<b>Total</b>	<b>\$3,554</b>	<b>\$2,793</b>	<b>\$2,129</b>	<b>\$2,443</b>	<b>\$1,943</b>	<b>\$1,445</b>
Zone 5	Heating Cooling	\$2,929 \$139	\$2,271 \$243	\$1,718 \$243	\$2,003 \$139	\$1,587 \$139	\$1,085 \$139
	<b>Total</b>	<b>\$3,068</b>	<b>\$2,514</b>	<b>\$1,961</b>	<b>\$2,142</b>	<b>\$1,726</b>	<b>\$1,224</b>
Zone 4	Heating Cooling	\$2,343 \$194	\$1,816 \$340	\$1,374 \$340	\$1,603 \$194	\$1,270 \$194	\$837 \$194
	<b>Total</b>	<b>\$2,537</b>	<b>\$2,156</b>	<b>\$1,714</b>	<b>\$1,797</b>	<b>\$1,464</b>	<b>\$1,031</b>
Zone 3	Heating Cooling	\$1,757 \$259	\$1,362 \$454	\$1,031 \$454	\$1,202 \$259	\$952 \$259	\$549 \$259
	<b>Total</b>	<b>\$2,016</b>	<b>\$1,816</b>	<b>\$1,485</b>	<b>\$1,461</b>	<b>\$1,211</b>	<b>\$808</b>
Zone 2	Heating Cooling	\$1,172 \$324	\$908 \$567	\$687 \$567	\$801 \$324	\$635 \$324	\$335 \$324
	<b>Total</b>	<b>\$1,496</b>	<b>\$1,475</b>	<b>\$1,254</b>	<b>\$1,125</b>	<b>\$959</b>	<b>\$659</b>
Zone 1	Heating Cooling	\$586 \$454	\$454 \$794	\$344 \$794	\$401 \$454	\$317 \$454	\$158 \$454
	<b>Total</b>	<b>\$1,040</b>	<b>\$1,248</b>	<b>\$1,138</b>	<b>\$855</b>	<b>\$771</b>	<b>\$612</b>
Systems Required	Heating Source Cooling Source	1 Furnace + 1 Air Conditioner	1 Furnace + 1 Air Conditioner	1 Furnace + 1 Air Conditioner	1 Furnace + 1 Air Conditioner	1 Furnace + 1 Air Conditioner	1 ACHP

Notes  
1. Zone annual heating loads; Zone 1: 20 MMBTU, Zone 2: 40 MMBTU, Zone 3: 60 MMBTU, Zone 4: 80 MMBTU, Zone 5: 100 MMBTU, Zone 6: 120 MMBTU. These values are typical loads for each respective region and are strictly estimates. Actual loads will vary per each individual installation. Air Conditioning Values are based on typical operating hours for each region of a 36000 BTU air conditioner at the specified performance level and conditions.

2. Rates given are typical for the 2005-2006 heating season. Actual rates may vary by region, state, and individual installation.

3. The values in this chart are strictly estimates. Actual values will change with location, usage, utility rates, installation, climate irregularities, and individual situations. Hallowell International recommends a thorough analysis of each installation be performed by a dealer for an accurate account of potential cost savings.

4. Hallowell International reserves the right to modify, or discontinue, at any time, designs and / or specifications without notice and without inducing obligation or liability.

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**No Fossil Fuel  
Required**

## All Climate Heat Pump vs Standard Air Source Heat Pump

	Hallowell All Climate Heat Pump	Standard Air Source Heat Pump
Superior Reliability	✓	✓
Single System for Year Round Comfort in Any Climate	✓	
High Efficiency Cooling	✓	✓
4 Stage Heating Performance Plus 2 Stage Cooling Performance	✓	
Patented Opti-Cycle™ Technology	✓	
Designed Specifically for Heating (including temperatures well below 0°F)	✓	
Environmentally Friendly	✓	✓

## Dare to Compare Heat Pump Performance











	3 Ton Conventional Air Source Heat Pump	3 Ton 36C/35H All Climate Heat Pump	What you should know
COOLING CAPACITY	36,000	36,000	The Hallowell ACHP will provide your home with multi-stage cooling performance for greater comfort, humidity control, energy savings and superior reliability.
SEER	14	14	Multi-Stage High Efficiency Cooling
Heating Capacity at 47 °F	36,000	36,000	The ACHP was designed for enhanced heating performance. This allows year round total comfort and savings without the use of a fossil fuel or resistance type supplemental heat found on traditional air source heat pumps.
Heating Capacity at 17 °F	20,800 (Supplemental Heat Required)	43,900	The Hallowell ACHP will maintain efficient comfort even in temperatures well below zero.
Heating Capacity at 0 °F	Supplemental Heat Required	35,000	Traditional air source heat pumps can rely heavily on less efficient supplemental heat as the temperatures fall - this is money out of your pocket
HSPF Region IV	8.5	9.6	The Heating Seasonal Performance Factor lets YOU decide which systems outperform the competition. Just like MPG in your car, the higher the number, the higher the efficiency.
HSPF Region V	Not Published	8.5	Hallowell is the only air source heat pump that maintains comfortable performance and high efficiency even in colder climates.

1. Performance of other air source heat pumps may vary. Values given for other air source heat pumps are strictly approximations and are not representative of any specific product. Hallowell International recommends a thorough energy analysis be done by a dealer on any installation for accurate estimations of performance.

2. Hallowell International reserves the right to modify, or discontinue, at any time, designs and / or specifications without notice and without inducing obligation or liability.

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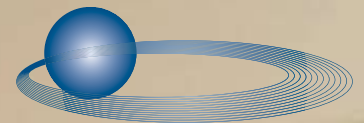
-  **Comfortable**
-  **Enhanced Control**
-  **Flexible**
-  **Reliable**
-  **Efficient**
-  **Quiet**
-  **Safe**
-  **Clean**
-  **Durable**
-  **Opti-Cycle Technology**



For more information on finding a dealer near you email:  
[info@gotohallowell.com](mailto:info@gotohallowell.com) or call: (207) 990-5600

[www.gotohallowell.com](http://www.gotohallowell.com)

COMFORT YOU CAN COUNT ON



**Patented Opti-Cycle™  
Technology**

U.S. Patent # 6,931,871  
U.S. Patent # 6,276,148  
U.S. Patent # 5,927,088  
U.S. Patent # 5,839,886  
Additional Patents Pending

Contact your local dealer for information or  
contact Hallowell International (207) 990-5600,  
email: [info@gotohallowell.com](mailto:info@gotohallowell.com)



**Engineered and Manufactured  
in the State of Maine**

**We Encourage  
Professionalism**



**Through Technician  
Certification by NATE**



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Contact Your Local HVAC Dealer today for more information