INTRODUCTION

More than 30,000 high efficiency ductless heat pumps have been installed in Maine homes and businesses over the past five years. Long used for cooling in warm climates, heat pumps are now one of the most popular technologies for heating in cold climates. Efficiency Maine offers rebates for high-efficiency ductless heat pumps for residential and commercial customers.

In winter, ductless heat pumps extract heat from outside air and deliver it indoors. Because they are moving heat rather than generating it through combustion or electric resistance, heat pumps can achieve efficiencies well above 100%. Long used for cooling in warm climates, heat pumps are now able to provide efficient heating in cold climates even at outdoor temperatures as low as -15 °F.

In addition to heating during the winter, heat pumps can also air condition and dehumidify during the summer.

TO LEARN MORE ABOUT DUCTLESS HEAT PUMPS, VISIT EFFICIENCYMAINE.COM FOR INFORMATION ON:

- Rebates
- Financing
- How They Work
- Case Studies
- Installation Considerations
- User Tips

Efficiency Maine

Introduction to Heat Pumps

Annual Heating Cost Comparison Chart

<table>
<thead>
<tr>
<th>System Type</th>
<th>Cost ($)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood Stove</td>
<td>$1,039</td>
</tr>
<tr>
<td>Geothermal Heat Pump</td>
<td>$1,213</td>
</tr>
<tr>
<td>Residential Heat Pump</td>
<td>$1,325</td>
</tr>
<tr>
<td>Natural Gas Boiler</td>
<td>$1,610</td>
</tr>
<tr>
<td>Natural Gas Furnace</td>
<td>$1,739</td>
</tr>
<tr>
<td>Oil Boiler</td>
<td>$1,847</td>
</tr>
<tr>
<td>Pellet Stove</td>
<td>$2,005</td>
</tr>
<tr>
<td>Pellet Boiler</td>
<td>$2,150</td>
</tr>
<tr>
<td>Natural Gas Parlor Stove</td>
<td>$2,171</td>
</tr>
<tr>
<td>Space Heater</td>
<td>$2,195</td>
</tr>
<tr>
<td>Propane Parlor Stove</td>
<td>$2,250</td>
</tr>
<tr>
<td>Propane Boiler</td>
<td>$2,616</td>
</tr>
<tr>
<td>Propane Furnace</td>
<td>$3,015</td>
</tr>
<tr>
<td>Oil Furnace</td>
<td>$3,265</td>
</tr>
<tr>
<td>Electric Baseboard</td>
<td>$3,881</td>
</tr>
</tbody>
</table>

Note: This chart provides a comparison of annual heating costs for the whole house for common system types and fuels. Data reflects recent pricing. Typical equipment, installation and maintenance costs not included. See inside or visit efficiencymaine.com for more details.
**HEAT PUMP COMPONENTS**

**LINESET**
Connects the indoor and outdoor units

**OUTDOOR UNIT**

**INDOOR UNIT**

**REMOTE**

**THERE ARE SEVERAL OPTIONS FOR INDOOR UNITS.**

- Wall Unit
- Floor Unit
- Ceiling Cassette
- Mini Ducts

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**BENEFITS**

1. Enjoy year-round comfort with heating, dehumidification and air conditioning
2. Save money with lower energy bills
3. Avoid in-home combustion or fuel storage
4. Help filter and dehumidify air

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**FUNCTIONS**

1. Heating
2. Cooling
3. Dehumidification
4. Ceiling fan
5. Air filter

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**FINANCIAL EXAMPLE**

- $3,750 Installed Cost
- $1,000 Rebate
- $2,750 Net Cost

**Monthly Loan Payment**
$29
(10 year loan at 4.99% APR)