

ASHP Checklist

	Existing Furnace	Existing Air Conditioner	New Air Source Heat Pump	Notes
Make				
Model				
Age of equipment			N/A	Googling the serial number of your equipment can help determine the year it was manufactured.
Approx. how many years until the equipment requires replacing	(15 – current age) = years remaining approx. _____ years	(15 – current age) = years remaining approx. _____ years	N/A	If your existing water heater has less than 3 years of its expected lifespan, you should plan for its replacement, before it fails.
Means of Heating	Electric Resistive <input type="checkbox"/> Natural Gas <input type="checkbox"/> Other _____	N/A	Heat Pump <input type="checkbox"/> Hybrid Heat Pump <input type="checkbox"/> Backup Electric <input type="checkbox"/> Other _____	
Means of Cooling	N/A	Electric <input type="checkbox"/> Other _____		
Operating Modes	Single Stage <input type="checkbox"/> Modulating Burner <input type="checkbox"/>	Single Stage <input type="checkbox"/> Modulating Compressor <input type="checkbox"/>	Heat Pump Only <input type="checkbox"/> Hybrid <input type="checkbox"/> Backup Electric <input type="checkbox"/> Other _____	
Heating Capacity	_____ BTU _____ kW	N/A	_____ BTU _____ kW	Make sure the ASHP is sized based on the <u>calculated</u> heating load of the home. Most existing furnaces are oversized. Calculated heating load is _____ BTU

	Existing Furnace	Existing Air Conditioner	New Air Source Heat Pump	Notes
Cooling Capacity	N/A	_____ BTU _____ Tons	_____ BTU _____ tons	Make sure the ASHP is sized based on the <u>calculated</u> cooling load of the home. Most existing AC's are oversized. Calculated cooling load is _____ BTU or _____ tons
Unit Efficiency	<p>GAS AFUE:</p> <p>_____</p> <p>Typical High Eff = 90-98%</p> <p>Typical Mid Eff = 78-82%</p> <p>Electric Eff: _____</p> <p>Typical Elec Furnace = 100%</p> <p>Oil Furnace AFUE:</p> <p>_____</p> <p>Typical Oil Furnace = 83%</p>	<p>SEER: _____</p> <p>EER: _____</p> <p>COP: _____</p> <p>Varies based on make, model and age.</p>	<p>Heating: SEER: _____</p> <p>EER: _____</p> <p>COP: _____</p> <p>HSPF: _____</p> <p>Cooling: SEER: _____</p> <p>EER: _____</p> <p>COP: _____</p>	<p>Searching your old AC make and model online will provide documentation regarding its EER/SEER rating.</p> <p>Notice the difference in operating efficiency associated with a heat pump unit, since the system moves heat rather than generating it.</p>
Est Annual Operating Costs	<p>\$ _____</p> <p>Avg Gas Furnace = \$710</p> <p>Avg Oil Furnace = \$2,400</p> <p>Avg EBB = \$2,011</p>	<p>\$ _____</p> <p>Avg AC = \$178-214</p>	<p>\$ _____</p> <p>Avg = \$1,000</p> <p>Varies based on make, model</p>	
Reason for Replacement	<p>Unit failed unexpectedly <input type="checkbox"/></p> <p>Unit reaching end of life <input type="checkbox"/></p> <p>Other _____</p>	<p>Unit failed unexpectedly <input type="checkbox"/></p> <p>Unit reaching end of life <input type="checkbox"/></p> <p>Other _____</p>	N/A	

	Existing Furnace	Existing Air Conditioner	New Air Source Heat Pump	Notes
System will be ducted or ductless (split)?	Ductwork existing Yes <input type="checkbox"/> No <input type="checkbox"/>	Ductwork existing Yes <input type="checkbox"/> No <input type="checkbox"/>	Ductwork requirements satisfied Yes <input type="checkbox"/> No <input type="checkbox"/>	In most cases the indoor portion of the ASHP will replace the existing furnace and make use of the existing ductwork for air distribution
Space available for outdoor unit?	N/A	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	The outdoor portion of the ASHP is typically installed in the same location as the AC unit once it is removed
Electrical Requirements of water heater	120VAC 15Amp <input type="checkbox"/> 120VAC 20Amp <input type="checkbox"/> 240VAC 25 Amp <input type="checkbox"/> 240VAC 30Amp <input type="checkbox"/> 240VAC 40Amp <input type="checkbox"/>	120VAC 15Amp <input type="checkbox"/> 120VAC 20Amp <input type="checkbox"/> 240VAC 25 Amp <input type="checkbox"/> 240VAC 30Amp <input type="checkbox"/> 240VAC 40Amp <input type="checkbox"/>	Indoor: 120VAC 15Amp <input type="checkbox"/> 120VAC 20Amp <input type="checkbox"/> 240VAC 25 Amp <input type="checkbox"/> 240VAC 30Amp <input type="checkbox"/> 240VAC 40Amp <input type="checkbox"/> Outdoor: 120VAC 15Amp <input type="checkbox"/> 120VAC 20Amp <input type="checkbox"/> 240VAC 25 Amp <input type="checkbox"/> 240VAC 30Amp <input type="checkbox"/> 240VAC 40Amp <input type="checkbox"/>	The indoor portion of the ASHP typically requires 120VAC, while the outdoor portion typically requires 240VAC
Ability to connect ASHP to desired thermostat?	Yes <input type="checkbox"/> No <input type="checkbox"/>	N/A	Yes <input type="checkbox"/> No <input type="checkbox"/>	Some ASHP require a unique thermostat provided by the manufacturer
Installation Cost	N/A	N/A	Parts _____ Labor _____ Total _____	
Available Incentives/rebates	N/A	N/A	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Warranty	N/A	N/A	Years _____	