

PTCS® Air Source Heat Pump Form

All fields must be completed by a PTCS Certified Technician.

- 1) Enter this information online at ptcs.bpa.gov or fax it to 1-877-848-4074 for entry.
- 2) Submit this form to customer's utility with additional documentation required by utility, including sizing documentation. Have questions? Visit www.bpa.gov/goto/reshvac, call 1-800-941-3867, or email ResHVAC@bpa.gov.

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Site City* Site Site Site Zip* Customer Phone # (1) -
State* Zip* City* City
Home Type:
Home Type:
Heated Area: Sq. Foundation Type (Site Built): Crawlspace Full Basement Half Basement Slab
Existing Heating System Being Replaced (If new home, indicate heating system installed): Gelectric Forced Air w/out AC Electric Forced Air w/ AC Electric Zonal Air Source Heat Pump Ground Source Heat Pump Natural Gas Furnace (Gas Company:
Electric Forced Air w/out AC
Natural Gas Furnace (Gas Company: Other Non-Electric Space Heating: Back up Heat:
New Heat Pump Equipment Data **PTCS requires minimum 9.0 HSPF, 14 SEER. Commissioning, Controls & Sizing requires Federal minimum. Check with utility for requirements. AHRI # SEER** HSPF** Outdoor HP Capacity (tons) Heat Pump Make Outdoor HP Model # Indoor HP Model # Did you perform all of your tests in Test Only/Check Charge mode? Yes No External Static Pressure 1. Measure return static pressure 2. Measure supply plenum static pressure 3. Calculate external static pressure: add values in #1 and #2 values; ignore the minus sign TrueFlow Test 1. NSOP [A] 2a. Plate Size: 2b. Plate location:
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Make Model # Variable Speed HP Indoor HP Model # What is the Balance Point?
Indoor HP Model # What is the Balance Point? Provide BP documentation to utility. Did you perform all of your tests in Test Only/Check Charge mode? Yes No External Static Pressure Test Check unit operating at full capacity unless conditions do not permit. 1. Measure return static pressure 1. Return Static Pressure Units: Use same units for TrueFlow test Note: Any External Static Pressure
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1. NSOP [A] 2a. Plate Size: 2b. Plate location:
1. Wedsure NSOF (Normal System Operating Fressure) [A]
2. Check TrueFlow plate size and location
3. Measure TESOP (Supply Pressure with TrueFlow Plate) [B] 4. Correction Factor [C] from table
4. Calculate Correction Factor [C]
5. Measure plate pressure 6. Raw Flow CFM
6. Enter Raw Flow CFM from tables [D]
7 Corrected Flow 8 CFM/ton Places submit proof of
7. Calculate Corrected Flow CFM = [C] x [D] manufacturer's target

Refrigerant Charge Information Mode unit tested in: \square Heating (if $\leq 65^{\circ}$ F) \square Cooling (if $> 65^{\circ}$ F) **Outside Air Temp** Refrigerant adjustment: Added _____oz. Removed _____oz. None ft. Total lineset length **Performance Test** Run unit for at least 15 minutes in compressor-only mode before taking readings. **Heating Mode** (65°F or lower) **Cooling Mode** (higher than 65°F) **Alternative Test Method** Supply Air (SA) Temp Discharge Pressure Specify method used Return Air (RA) Temp Discharge Temp [A] Target Temp Split (SA - RA) Liquid Line Temp [B] Test result Expected Temp Split from table: Sub cooling [A] - [B] Meets specification? Y N Meets specification? Y N Meets specification? Y N **Controls** Compressor Low Ambient Lockout control (LAL) setting at 5° or less? Auxiliary (strip) heat lockout has been set to: Yes Not Installed/Disabled Non-Electric Backup No ☐ 35°F ☐ Below 35°F **HP Thermostat HP Thermostat** Model Make Multiple Capacity Compressor systems (Applicable Not Applicable) If the discharge air sensor control is used to control auxiliary heat, confirm it is set no higher than 85 or, If staging thermostat is set warmer than 85 oF, confirm resistance heat cannot operate at temperatures above 35 oF, **Notes** Required Signatures: This section shall be filled out by the electrical utility account holder. This form must be signed by the person whose name appears on the electric utility account. ENERGY INFORMATION RELEASE: The undersigned utility customer requests and authorizes the specified utility to release billing and usage information for the account listed below to the PTCS program. With this authorization, the PTCS program can request billing information for up to two years pre-installation and two years post-installation. The utility customer also hereby releases the utility company from any and all liability arising from or connected with providing this information. **Electric Utility** Account # **Account Holder** Name **Account Holder** Date **Signature** By signing below, technician certifies that this form and any accompanying documentation are complete and accurate, and that all measures associated with this project were completed as of the signature date below. **Technician** Installation Name Company

PRIVACY ACT STATEMENT Basic authority for collecting this information is authorized by 16 U.S.C. §§ 832 et. seq., and 838 et. seq., pursuant to Bonneville Power Administration's Conservation Program system of records established in 46 FR 31700. This information is primarily intended to further, but is incidental to the performance of, BPA's overall Energy Efficiency Program, the objective of which is to acquire energy resources through energy efficiency, to determine what cost-effective conservation and direct application renewable resources measures should be installed or adopted under different circumstances, and to provide incentives for the installation of such measures. Other routine issues of this information include: aggregation into a public database on energy efficiency; furnished to authorized personnel for installation/repair of equipment; aggregated into a database for program publicity; and in some instances information regarding buildings will be made available to subsequent purchasers of the buildings. Your disclosure of the requested information is voluntary; however failure to provide requested information means that it will not be possible for you to participate in this BPA Energy Efficiency program.

Technician Signature Date

Tech Phone #