

# HIGH EFFICIENCY HEAT PUMP PROGRAM—APPLICATION FORM

Applications will only be processed if information is provided in all seven sections and only if homeowner's and contractor's signatures are completed one form. Complete one form for each residential heat pump installation. Questions?? Contact Kelly Beiermann (402-563-5415) [klbeier@nppd.com](mailto:klbeier@nppd.com), Roger Hunt (402-866-5191) [rhunt@nppd.com](mailto:rhunt@nppd.com), or Steve Walker (308-535-5324) [shwalke@nppd.com](mailto:shwalke@nppd.com).

Choose ONE of the Options: \_\_\_\_\_ Incentive -or- \_\_\_\_\_ Loan

1. Name of HVAC Dealer: \_\_\_\_\_

Address and City: \_\_\_\_\_

Phone Number: \_\_\_\_\_ Tax ID No.: \_\_\_\_\_

2. Homeowner's Name: \_\_\_\_\_ Electric Utility: \_\_\_\_\_

Homeowner's Address and City: \_\_\_\_\_

Installation Address and City: \_\_\_\_\_ Acct. or Meter No.: \_\_\_\_\_

3. Equipment Information: Tonnage: \_\_\_\_\_ SEER Rating (14.0 is Min.): \_\_\_\_\_ HSPF (8.2 is Min.): \_\_\_\_\_

Backup for Heat Pump: Electric \_\_\_\_\_ (kw), or Fossil Fuel \_\_\_\_\_ (Btuh), if it's a Geothermal Heat Pump—the (EER) \_\_\_\_\_

Equipment Mfr.: \_\_\_\_\_ Furnace Model No.: \_\_\_\_\_

ID Coil No.: \_\_\_\_\_ Heat Pump Model No.: \_\_\_\_\_

Type of Installation: New Construction \_\_\_\_\_ A/C to a Heat Pump \_\_\_\_\_ Existing Heat Pump to New Heat Pump \_\_\_\_\_

4. Determine CFM: (A or B)

A) Total External Static Pressure in \_\_\_\_\_ inches of W.C.

\_\_\_\_\_ Equivalent CFM (per equipment specifications and associated external static pressure)

B) Airflow check—temperature rise method with electric furnace (test in emergency heat mode)

1) \_\_\_\_\_ Volts x \_\_\_\_\_ Amps = \_\_\_\_\_ 0 \_\_\_\_\_ Watts

2) \_\_\_\_\_ 0 \_\_\_\_\_ Watts x 3.414 = \_\_\_\_\_ 0 \_\_\_\_\_ Btuh

3) \_\_\_\_\_ Supply Air °F (minus) \_\_\_\_\_ Return Air °F = \_\_\_\_\_ 0 \_\_\_\_\_ Temp. Difference (TD) °F

4) \_\_\_\_\_ 0 \_\_\_\_\_ Btuh (divided by) 1.08 (divided by) \_\_\_\_\_ 0 \_\_\_\_\_ (TD) °F \_\_\_\_\_ 0 \_\_\_\_\_ CFM

5. Measured Heat Pump Capacity Calculation: (A or B)

A) Heating Cycle (test in heat pump only mode)

1) \_\_\_\_\_ Supply Air °F (minus) \_\_\_\_\_ Return Air °F = \_\_\_\_\_ 0 \_\_\_\_\_ (TD) °F

2) 1.08 x \_\_\_\_\_ 0 \_\_\_\_\_ (TD) °F x \_\_\_\_\_ CFM (Section 4) = \_\_\_\_\_ 0 \_\_\_\_\_ Btuh

B) Cooling Cycle (run at least 10 minutes)

1) Return - wet bulb temp. \_\_\_\_\_ = Enthalpy \_\_\_\_\_

2) Supply - wet bulb temp. \_\_\_\_\_ = Enthalpy \_\_\_\_\_

3) Enthalpy Difference = \_\_\_\_\_ 0.00 \_\_\_\_\_

4) 4.5 x \_\_\_\_\_ CFM (Section 4) x \_\_\_\_\_ 0.00 \_\_\_\_\_ Enthalpy Difference = \_\_\_\_\_ 0 \_\_\_\_\_ Btuh

6. Quality Assurance Inspection Results:

A) Measured Total CFM (Section 4): \_\_\_\_\_ Outdoor Temp.: \_\_\_\_\_ Mfr's. Rated HP Capacity\*: \_\_\_\_\_ Btuh

B) Measured Heat Pump Capacity (Section 5): \_\_\_\_\_ Btuh

C) Difference between rated and measured capacity (rated - measured)/rated) = \_\_\_\_\_ % Passed (within 10%) or Failed

D) If failed—reason: \_\_\_\_\_

E) Inspection Performed by: \_\_\_\_\_ NATE Certification No.: \_\_\_\_\_

7. I acknowledge that this installation is in compliance with the program guidelines.

Homeowner: \_\_\_\_\_  
 \_\_\_\_\_ Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date

Inspection Performed By: \_\_\_\_\_  
 \_\_\_\_\_ Print Name \_\_\_\_\_ Signature \_\_\_\_\_ Date