

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, Roger Hunt (402-866-5191) rhunt@nppd.com, or Steve Walker (308-535-5324) 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