

North Central PPD High Efficiency Heat Pump Program – APPLICATION FORM

Applications will only be processed if information is provided in all 7 sections and only if homeowner and contractors signatures are completed on form. Complete 1 form for each residential or commercial (businesses) heat pump installation. For more information contact Linda Sokol, Energy Advisor at North Central PPD (402-358-5112) linda.sokol@ncppd.net.

1. Name of HVAC Dealer: _____

Address & City: _____

Phone Number: _____ Tax ID #: _____

2. Home Owner's Name: _____ Electric Utility: _____

Home owner's Address & City: _____

Installation Address & City: _____ Acct or Meter #: _____

3. Equipment Information: Tonnage: _____ SEER Rating: _____ HSPF: _____

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 = _____ Watts

2) _____ Watts x 3.414 = _____ Btuh

3) _____ Supply Air °F (minus) _____ Return Air °F = _____ Temp. Difference (TD) °F

4) _____ Btuh (divided by) 1.08 (divided by) _____ (TD) °F = _____ 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 = _____ (TD) °F

2) 1.08 x _____ (TD) °F x _____ CFM (section 4) = _____ Btuh

B) **Cooling Cycle** (run at least ten minutes)

1) Return – wet bulb temp. _____ = Enthalpy _____

2) Supply – wet bulb temp. _____ = Enthalpy _____

3) Enthalpy Difference = _____

4) 4.5 x _____ CFM (section 4) x _____ Enthalpy Difference = _____ 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 #: _____

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

Homeowner: _____

Print Name

Signature

Date

Contractor: _____

Print Name

Signature

Date

RETURN APPLICATION FORM TO – North Central PPD, Attn: Linda Sokol, PO Box 90, Creighton NE 68729

NCPPD office use only:

Location No: _____ Mbr Sep No: _____

Amount of Rebate:\$ _____ Dealer Rebate:\$ _____ Check Request No.: _____