

Water to Water -- Geothermal High Efficiency Application

ATTENTION -- No incentive will be paid if the verification test is not properly completed! It is the homeowner's responsibility to ensure the contractor completes the performance testing. Contact Sam Reinke at 308-384-2350 with any questions.

Direct Incentive -OR- Low Interest Loan - Apply for one!

1. Name of HVAC Contractor: _____ Tax ID #: _____

Address & City: _____ Phone Number: _____

2. Homeowner's Name: _____ Electric Utility: _____

Homeowner's Address & City: _____ Daytime Phone: _____

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

3. Equipment Information: Tonnage: _____ Equipment Mfr.: _____ Heat Pump Model No.: _____

Ground Source HP: EER _____ COP _____

Type of Installation: New Construction , A/C to a Heat Pump , or Existing Heat Pump to New Heat Pump

Verification Tip! Having the manufacturer's performance data, on site and at the time of verification testing, will be helpful. Also, test installation with hot water generator off.

4. Measurements: (Measure pressure difference (DP) to determine flow rate (gpm) from manufacturer's data)

A) Entering Source Temp = _____ °F Leaving Source Temp = _____ °F Source Flow Rate = _____ gpm

B) Entering Load Temp = _____ °F Leaving Load Temp = _____ °F Load Flow Rate = _____ gpm

5. Manufacturer's Data at Conditions Measured Above: (fill in the blanks below from mfr's data)

A) Rated Total Cooling (TC) = _____ Btuh --or-- Rated Heating Capacity (HC) = _____ Btuh

B) Rated Heat of Rejection (HR) = _____ Btuh --or-- Rated Heat of Extraction (HE) = _____ Btuh

6. Quality Assurance Inspection Results:

A) TC or HC = _____ gpm X _____ TD X 485 (glycol) or 500 (water) = _____ Btuh

B) Difference between rated and measured capacity (measured-rated)/rated = _____ % Passed (within 10%) or Failed

C) If failed - reason _____ ?

D) HE or HR = _____ gpm X _____ TD X 485 (glycol) or 500 (water) = _____ Btuh

E) Difference between rated and measured capacity (measured-rated)/rated = _____ % Passed (within 10%) or Failed

F) If failed - reason _____ ?

7. Check box to signify that AHRI Certificate is attached AHRI Cert. # _____

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

Homeowner: _____

Print Name

Signature

Date

Inspection by: _____

Print Name

Signature

Date

NATE Certification # _____ (NATE Certification is requested, but not mandatory for this application process)

9. Submit this application to your local utility for approval and processing for payment