# Your guide to heating and cooling

## AIR SOURCE HEAT PUMP (ASHP) SYSTEMS

- Come in a variety of configurations such as central ducted and ductless (mini-split)
- If you are switching to an ASHP from electric resistance heat or propane, you could save 30-55% on your heating costs.[1]
- Achieve even greater financial savings when coupled with **[insert cooperative name here]** ASHP or dual fuel load management rates and programs
- ASHPs are measured by:
  1) Heat Seasonal Performance Factor (HSPF). HSPF/HSPF2 is the most commonly used measure of a heat pumps heating efficiency. The higher the HSPF/HSPF2, the more efficient the heat pump.
  2) Seasonal Energy Efficiency Ratio (SEER). The SEER/SEER2 rating most accurately reflects overall system cooling efficiency on a seasonal basis.
  3) Energy Efficiency Ratio (EER). EER/EER2 reflects the system's cooling energy efficiency at peak day operations.
- You can switch between cooling and heating directly from the thermostat, putting you in complete control.

## CENTRAL AIR CONDITIONER (CAC)

- According to the Department of Energy installing a new CAC or ASHP unit with a SEER2 rating of 15.2 will provide a lifetime cooling energy cost savings of $927[2]



## CAC AND ASHP TUNE UP

- The best way to ensure efficient operation of your cooling or heat pump system is by having a tune-up every two years.

## ELECTRONICALLY COMMUTATED MOTOR (ECM) FOR YOUR FURNACE

- ECMs are standard in new construction. Rebates are available only for replacement.
- ECM furnace motors help save energy and money by running at the best speed, opposed to traditional motors that always run at top speed.
- Furnaces equipped with an ECM have lower annual operating costs and can save you up to $410per year[3]

## GROUND SOURCE HEAT PUMP (GSHP)

- The most efficient residential heating and cooling system available today[4].
- Geothermal systems can reduce energy consumption by approximately 25% to 50% compared to air source heat pump systems[4].
- Geothermal heat pump systems have an average 20+ year life expectancy for the heat pump itself and 25 to 50 years for the underground infrastructure[4].

[1] Center for Energy and Environment (CEE) "Cold-Climate Air Source Heat Pumps" article – https://www.mncee.org/cold-climate-heat-pumps

[2] U.S. Department of Energy "Purchasing Energy-Efficient Residential Central Air Conditioners https://www.energy.gov/femp/purchasing-energy-efficient-residential-central-air-conditioners

[3] American Council for Energy Efficient Economy (ACEEE) study "Electricity Savings from Variable-Speed Furnaces in Cold Climates" (Based on $0.12 per kWh and ECM kWh savings identified in – Table 1) https://www.aceee.org/files/proceedings/2004/data/papers/SS04_Panel1_Paper23.pdf

[4] U.S. Department of Energy Guide to Geothermal Heat Pumps – https://www.energy.gov/sites/prod/files/guide_to_geothermal_heat_pumps.pdf

**"Choosing higher efficiency heating and cooling equipment can have a big impact on your comfort while helping you save money.**

# Heating and Cooling

## Rebate Application

Runestone Electric Association
6839 Power Lane SW, Alexandria MN 56308
800-473-1722

## Member Information

Name _____ Account # _____

Address _____

City _____ State _____ ZIP _____ Phone _____

Member Type ☐ Homeowner ☐ Renter ☐ Landlord ☐ Builder ☐ Other

By signing this application, I certify the appliances for which I am claiming a rebate are qualifying products and are installed at the address listed above which represents a valid cooperative account.

Signature _____ Today's date _____

## ASHPs & CACs

**ASHP system type** ☐ Ductless ASHP ≤ 1 ton ☐ Ductless ASHP > 1 ton ☐ Ducted/hybrid ≤ 5 tons

**ASHP system efficiency** ☐ High efficiency ≥ 14.3 SEER2 & ≥ 7.5 HSPF2 ☐ Premium efficiency 2026 CEE Tier 1 listed*

**ASHP alternate/backup heating system type** ☐ Electric Resistance ☐ Propane/Natural Gas

**CAC system efficiency** ☐ ≥ 15.2 SEER2

Outdoor Unit Model Number: _____

Indoor Unit(s) Model Numbers & Quantities: _____

_____

* Products must qualify under the 2026 CEE Tier 1 – Path A (8.5 HSPF2,16 SEER2, 9.8 EER2) or Path B (8 HSPF2, 16 SEER2, 11 EER2) – cee1.my.site.com/s/resources?id=a0V2R00000sUQby CEE Tier listing must be confirmed via AHRI directory of certified products at https://ahridirectory.org/

## ECMs

**Replacement furnace with ECM Motor qualifying criteria – must be ENERGY STAR listed**

Manufacturer _____ Model Number _____

Serial Number _____ AHRI Number _____

## GSHPs**

**Ground Source Heat Pump (GSHP) qualifying criteria – must be ENERGY STAR listed**

Manufacturer _____ Model Number _____

Heating Capacity (tons) _____ Cooling Capacity (tons) _____ (1 ton = 12,000 Btuh)

Rated COP _____ Rated EER _____

**Replacement Type** ☐ Replace on Fail ☐ Early Retirement ☐ New Construction

**Existing Unit Type** (required if Replace on Fail or Early Retirement) ☐ Ground Source Heat Pump ☐ Electric Heat with Split System AC

**Replacement Unit type** ☐ Closed Loop Water-to-Air ☐ Open Loop Water-to-Air ☐ Closed Loop Water-to-Water ☐ Open Loop Water-to-Water ☐ Direct Geoexchange (DGX)

**Contractor information is required for Tune Ups & GSHP master installer rebates.

# Heating and Cooling

## Rebate Application

### CAC and ASHP Tune-Ups**

Manufacturer _____ Model Number _____ Serial Number _____

Equipment Type ☐ ASHP ☐ AC

Cooling Capacity (Btuh) _____ Heating Capacity (Btuh) (ASHP only) _____

**Equipment Rating Information**

SEER/SEER2 Rating (leave blank if unknown) _____ ☐ SEER ☐ SEER2

EER/EER2 Rating (leave blank if unknown) _____ ☐ EER ☐ EER2

HSPF/HSPF2 Rating (ASHPs only) _____ ☐ HSPF ☐ HSPF2

Quanity _____

Compressor Type ☐ Variable-Speed ☐ Single-Speed

I certify that I have completed the following actions:

- ☐ Cleaned condenser coil
- ☐ Changed filter
- ☐ Measured refrigerant, recharged as needed
- ☐ Measured air flow, corrected as needed

### Contractor Information**

Contractor Name _____ City _____ State _____

Contractor signature _____ Contractor company _____

**Contractor information is required for Tune Ups & GSHP master installer rebates.

**IMPORTANT:**

- Check with cooperative for qualifying rebate amounts.
- Product(s) must be installed within the cooperative's service territory.
- Include a copy of the original dated sales receipt(s).
- Submit completed rebate form and a copy of the original sales receipt within 90 days of purchase date.
- To verify specific model efficiency ratings or ENERGY STAR certification status please visit the following resources
  - ASHPs – https://www.ahridirectory.org
  - Replacement furnaces
    - https://www.energystar.gov/productfinder/product/certified-furnaces/results
    - https://www.ahridirectory.org/Search/SearchHome?ReturnUrl=%2f
  - GSHPs – https://www.energystar.gov/productfinder/product/certified-geothermal-heat-pumps/results

Rebate program is subject to change or cancellation without notice. Call the cooperative to verify rebate program status

# Heating and Cooling

## 2026 Reference and Conversion Sheet

**Notice:** On January 1, 2023 the Department of Energy (DoE) began using a new testing procedure to rate the efficiency of air conditioners and air source heat pumps. These changes require new metrics (SEER2/EER2/HSPF2) that were derived from the DoE's new test procedure (M1) rather than the historical metrics (SEER/EER/HSPF) from the old test procedure (M).

The simple conversion table below will help you to identify air conditioning (AC) and air source heat pump (ASHP) equipment that qualifies for ENERGYWISE rebates in 2026 using the following steps.

**Step 1:** Determine what ratings system was used for the equipment model that you plan to purchase.

**Step 2:** Confirm that the efficiency ratings of the new equipment exceeds the requirements for the rebate measure you are applying for using the table below to convert between the old and new efficiency ratings when needed.

| SEER | DUCTED SEER2 | DUCTLESS SEER2 |
|---|---|---|
| 14.0 | 13.4 | 14.0 |
| 14.5 | 13.8 | 14.5 |
| 15.0 | 14.3 | 15.0 |
| 15.5 | 14.8 | 15.5 |
| 16.0 | 15.2 | 16.0 |
| 17.0 | 16.2 | 17.0 |
| 17.5 | 16.7 | 17.5 |
| 18.0 | 17.2 | 18.0 |
| 19.0 | 18.1 | 19.0 |
| 20.0 | 19.0 | 20.0 |

| EER | DUCTED EER2 | DUCTLESS EER2 |
|---|---|---|
| 10.2 | 9.8 | 10.2 |
| 11.0 | 10.5 | 11.0 |
| 11.5 | 11.0 | 11.5 |
| 11.7 | 11.2 | 11.7 |
| 12.0 | 11.5 | 12.0 |
| 12.2 | 11.5 | 12.2 |
| 12.5 | 12.0 | 12.5 |
| 13.0 | 12.5 | 13.0 |

| HSPF | DUCTED SPLIT HSPF2 | DUCTED PACKAGE HSPF2 | DUCTLESS HSPF2 |
|---|---|---|---|
| 8.0 | 6.8 | 6.7 | 7.7 |
| 8.2 | 7.0 | 6.9 | 7.9 |
| 8.8 | 7.5 | 7.4 | 8.4 |
| 9.0 | 7.7 | 7.6 | 8.6 |
| 9.5 | 8.1 | 8.0 | 9.1 |
| 10.0 | 8.5 | 8.4 | 9.5 |
| 11.0 | 9.4 | 9.2 | 10.4 |

NOTE: The cross references for efficiency in the above tables should be noted as approximate.

*Rebate program is subject to change or cancellation without notice.*