

# Ameren Missouri Heating and Cooling Program

## Efficiency Analysis

Congratulations! You've taken an important first step in improving your home's cooling comfort and energy efficiency. This Efficiency Analysis is a great way to diagnose and recommend solutions to common air conditioner problems that may help increase your cooling system's performance.

### Your Test Results

Your contractor performed a series of airflow, temperature, refrigerant charge and electrical readings. When these readings are evaluated together, they indicate your system's actual operating capacity. Every cooling system has a manufacturer's rated capacity at installation. Due to many factors – such as age, system deterioration and/or inadequate ductwork – your system may be operating below the manufacturer's rated capacity. To determine the efficiency of your system, the Efficiency Analysis compares the operating capacity to the manufacturer's rated capacity. For example, if your cooling system is designed to deliver 48,000 BTUs but is operating at 36,000 BTUs, then your efficiency is 75% (36,000/48,000 = 75%). The Efficiency Analysis provides you with the efficiency of your system, allowing you to make decisions about repairs or upgrades that could save you money for years to come.

### Your Path to Maximum Performance

In some cases, the Efficiency Analysis results may indicate a need to go beyond the basic tune-up to achieve maximum performance. Your contractor may recommend additional service or repairs to increase comfort and energy savings, such as adjusting the refrigerant charge, making specific improvements to your home's duct system or adding attic ventilation or insulation. In some cases, such as if your system is more than 10 years old, 10 SEER or less or inefficient, your contractor may recommend replacing your existing equipment. Additional service and repairs may incur added cost.

Location in Home: \_\_\_\_\_ System \_\_\_\_\_ of \_\_\_\_\_ Systems

Age of System(s): \_\_\_\_\_ SEER: \_\_\_\_\_

System Efficiency	Recommendations	
<p>Good Operating Condition <input type="checkbox"/></p> <p>Preventive Maintenance or Upgrades Recommended <input type="checkbox"/></p> <p>Maintenance, Upgrades or Replacement Recommended <input type="checkbox"/></p> <p>Current Percentage _____</p>	<p><input type="checkbox"/> Add supply runs/ductwork to improve airflow</p> <p><input type="checkbox"/> Add returns/ductwork to improve airflow</p> <p><input type="checkbox"/> Make airflow improvements</p>	<p><input type="checkbox"/> Install a more efficient blower motor</p> <p><input type="checkbox"/> Install a less restrictive, more efficient filter(s)</p> <p><input type="checkbox"/> Replace system (see page 2 for equipment recommendation)</p>
<p>Other: _____</p> <p>_____</p> <p>_____</p> <p>_____</p>		

Contractor Name:	Technician Name:
Phone Number:	Date:

Offer applies only to qualifying purchases. Valid through December 15, 2021. Visit [AmerenMissouriSavings.com/HVAC](http://AmerenMissouriSavings.com/HVAC) for full program details.



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## Rebate Chart – Residential Electric Customers Only

Rebates valid for installs on or after March 1, 2019.

Heating and Cooling Program Rebate Measures*	Single Family	Multifamily
<b>Air-Source Heat Pump Replacing Air Source Heat Pump<sup>†</sup> AHRI Rated</b>		
SEER 15 – Replace Operating Air-Source Heat Pump	\$400	\$250
SEER 16-17.99 – Replace Operating Air-Source Heat Pump	\$500	\$300
SEER 18+ – Replace Operating Air-Source Heat Pump (HSPF must be ≥10.0 to be eligible)	\$600	\$350
Available only when the replaced Air-Source Heat Pump meets operating/early replacement requirements. There is no failed equipment status rebate available for this improvement measure.		
<b>Air-Source Heat Pump Replacing Central Air Conditioner and Electric Resistance<sup>†</sup> AHRI Rated</b>		
SEER 15 – Replace Central Air Conditioner and Electric Resistance Furnace	\$600	\$400
SEER 16-17.99 – Replace Central Air Conditioner and Electric Resistance Furnace	\$750	\$450
SEER 18+ – Replace Central Air Conditioner and Electric Resistance Furnace	\$900	\$500
<b>Ductless Systems<sup>†</sup> AHRI Rated, Per Outdoor Unit</b>		
SEER 19+ – Ductless AC - Replace Central Air Conditioner		\$200
SEER 19+ – Replace Air-Source Heat Pump		\$300
SEER 19+ – Replace Central Air Conditioner and Electric Resistance Furnace		\$500
SEER 19+ – Installed With Existing Gas Heat <sup>‡</sup>		\$500
*Available only in a dwelling unit with existing gas heat, but where there is no existing ductwork to the space to be conditioned by the Ductless Air-Source Heat Pump and where installation of a properly sized ducted system to that space is cost prohibitive.		
<b>Ground Source Heat Pump<sup>†</sup> AHRI Rated</b>		
EER 23+ – Replace Electric Resistance Furnace	\$1,800	Not Available
EER 23+ – Replace Ground Source Heat Pump	\$700	Not Available
EER requirements above are partial cooling load. Ground Source Heat Pump rebates are only available when replacing a ground source heat pump or electric furnace, not when there is existing gas heat.		
<b>Central Air Conditioner AHRI Rated</b>		
SEER 15 – Replace Central Air Conditioner	\$250	\$200
SEER 16 – Replace Central Air Conditioner	\$450	\$350
SEER 17+ – Replace Central Air Conditioner	\$650	\$500
<b>Electronically Commutated Motor (ECM)</b>		
Factory Installed in a New Gas Furnace or Air Handler (Included in AHRI Efficiency Rating)		\$50
Factory Installed in a New Gas Furnace or Air Handler (Not Included in AHRI Efficiency Rating)		\$50
Retrofit ECM Replacing Permanent Split Capacitor Blower Motor (Note: This measure is not affected by AHRI rating)		\$50
ECMs installed with Ductless Air-Source Heat Pumps are not eligible for a rebate.		
<b>Learning Thermostat</b>		
Qualifying Energy Star Plus Learning Thermostat - see list on <a href="http://AmerenMissouriSavings.com/HVAC">AmerenMissouriSavings.com/HVAC</a> *		\$50

\*Offer applies only to qualifying purchases. Visit [AmerenMissouriSavings.com/HVAC](http://AmerenMissouriSavings.com/HVAC) for full program details. For new construction projects that do not involve replacing systems, please refer to the Heating and Cooling program new construction rebate chart for program details.

<sup>†</sup>Ameren Missouri does not promote fuel switching or load building. The intent of these rebates is not to incentivize customers to use a different fuel source but to provide a portion of the cost for a more efficient unit once a fuel source has been chosen.