

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, performed through the Ameren Missouri Heating and Cooling program, 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

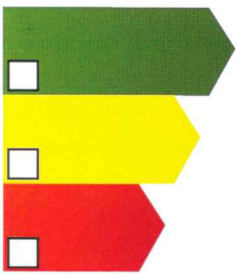
Your contractor performed a series of airflow, temperature, refrigerant charge and electrical readings that were taken as part of the Efficiency Analysis testing process. When these readings are evaluated together, they indicate your system's actual operating capacity. Every cooling system has a manufacturer's 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: _____

Some restrictions may apply. Valid through February 28, 2019. Visit AmerenMissouri.com/hvac for full program details.