



Expert Tips: Furnace



Q: Hot or cold spots in the house?

A: This is typically the result of uneven air flow. The most common solution is to run the furnace fan on a continuous basis. A variable drive furnace is your best choice. Sometimes an air balance test is in order. Your heating system works on back pressure – it requires proper air balance to equal the pressure within the ductwork runs. The air balance test involves using a "velometer" that is used to measure air pressure (measured in cfm) at each register location. This identifies how much air is moving. A damper could be installed to create more back pressure to get to the duct line that requires more airflow.

Q: How quiet and energy efficient can a furnace be?

A: The Lennox 2-stage variable furnace offers one of the highest energy ratings on the market. Review our energy efficiency information. Typically the noise you hear is air moving through the ductwork and not necessarily the furnace itself. A "heat balance" would help identify if this is the case. This would involve checking the temperature of air going into and coming out of the furnace.

When you move too much air across the heat exchanger, the air doesn't pickup enough heat. When there isn't enough air moving over the heat exchanger, the exchanger overheats. So there is definitely an optimal amount of air to move across the heat exchanger. A variable drive furnace motor (DC current) slowly winds up and is therefore quieter than an AC current drive motor. The variable drive furnace is 2/3rds more energy efficient than an AC current motor.

At Arpi's, our installers do not set your furnace to the factory default setting. We use a "start-up sheet". Amperages, temperature, and gas pressures are all measured and adjusted to suit your particular house. Every home is different, every ductwork system is different. This is one component of Arpi's quality control. Want to reduce the sound even further? Consider a canvas connector or insulating your ductwork.

A canvas connector is 6 inches of canvas installed in the plenum to isolate furnace vibrations. This further reduces the noise.



Still require help? Contact us at 403.236.2444