EC Motor

To include EC motors on the furnace air handler as a retro-fit, or part of a new furnace install, this User Defined Measure must be added to your library. The Energy Savings have been predetermined and must be used as they appear in the examples below. The Cost per unit would need to reflect the pricing found in your service area. If the EC motor is installed on a pre-existing furnace, the motor itself would have a parts warranty. If it is installed as part of a furnace replacement it would be included under the furnace parts and labor warranty. It should come installed in the furnace from the manufacturer. The cost of the EC Motor upgrade should be deducted from the total cost of the furnace installation that is entered into the furnace tab.

Annual Energy Savings: Homes with Central AC: 248 kWh  Annual Energy Savings, Homes without Central AC: 170 kWh.

- **EC Motor Upgrade for New Furnaces**
EC Motor

- EC Motor Retro-fit for Existing Furnaces

The measure life (yr) will be changed before running the audit to reflect the likely lifespan of the existing furnace (and therefore the replacement motor). This is the only part of the measure that will be unique for each job. The life (yr) of the existing furnace will be 20 years minus the actual age of the furnace. For example, an 8 year old furnace will have a life of 20 years minus 8 years = 12 years. Furnaces 20 years or older that do not qualify for replacement do not need to be evaluated for an EC motor retrofit. Any other reason preventing the retrofit of an EC motor must be documented in the comments section of the WA furnace tab.