

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.

❖ EC Motor Upgrade for New Furnaces

The screenshot shows the 'Setup Library' window with the 'Library Measures' tab selected. The 'Measure Name' field is highlighted with a red box and contains the text 'EC motor upgrade'. Other fields include 'Measure #', 'Active' (checked), 'Include In SIR' (checked), 'Energy Savings' (Estimated), 'Units' (kWh), 'Amount' (700), 'Fuel Saved' (Electricity), and 'Life (yr)' (15, also highlighted with a red box). The 'Materials/Labor Details' table is visible below, showing a single entry for 'EC motor upgrade' with a quantity of 1.00 and a unit cost of 500.00. The 'MEASURES' section at the bottom shows a list of 116 measures, with the current measure selected.

Type	Copy Supply	Description	Qty	Units	\$/Uni	Comment
Heating Equipment		EC motor upgrade	1.00		500.00	
*			1.00		0.00	

EC Motor

❖ EC Motor Retro-fit for Existing Furnaces

Setup Library

Library [redacted] References

Setup Library Information | Key Parameters | Fuel Costs (15) | Fuel Price Indices | Library Measures | User Defined Measures (66) | NEAT Insulation Types

Measure # [redacted] Active Include In SIR Energy Savings Estimated

MeasureType HVAC Systems

Measure Name EC motor - retro-fit

Units kWh

Amount 700

Default Contractor/Crew [redacted]

Fuel Saved Electricity

Default Cost Center [redacted]

Life (yr) 15

Available for Use In Site Built Mobile Home

Materials/Labor Details

Qty	Type	Copy Supply	Description	Units	\$/Unit	Comment
1.00	Heating Equipment		EC motor upgrade		500.00	
1.00			Labor		200.00	
1.00					0.00	

Record: 14 | 2 of 2 | No Filter | Search

MEASURES

by Description [redacted]

6 of 116 | New | Copy | Del

Measure Comment

ALL

VIEW All User Defined Measures | All User Measure Costs

NEAT Audit

Audit Name [redacted] Alt. Client ID [redacted]

Audit Information | Status | Shell | Heating (1) | Cooling (0) | Ducts/Infiltration | Baseloads | Health & Safety | Itemized Costs (7) | Utility Bills (0) | Measures (15)

Copy from User Defined Measures [redacted]

Referenced User Defined Measure ECM Motor Upgrade

Copy from Library Health and Safety Measures [redacted]

Clear Reference to user defined measure

Measure Name EC motor - retro-fit

Cost (\$) 700 | Include in SIR

Material EC motor upgrade

Annual Energy Savings 700 | Units kWh

Life (yr) 15

Fuel Saved Electricity

Run Audit

Last Run On 8/5/2014 at 11:27 AM

ITEMIZED COST

by Description [redacted]

1 of 7 | New | Copy | Del

Comment

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 15 years minus the actual age of the furnace. For example, an 8 year old furnace will have a life of 15 years minus 8 years = 7 years. Furnaces 15 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.