

FURNACE OPTIONS

Arranged in least efficient to most efficient order.

% EFFICIENCIES		Gas Valves		Blower Motors	
80	For every \$1 you spend in fuel, \$.80 turns into heat for your home, \$.20 goes up the chimney. Since much of the heat is vented up the chimney, a regular lined chimney is required to vent through the roof.	Single Stage	Gas valve comes on full flow when thermostat calls for heat and shuts off when temperature is reached.	Single Speed	Fan turns on full speed when furnace reaches temperature and turns off when set point is reached.
90	For every \$1 you spend in fuel, \$.90 turns into heat for your home, \$.10 goes up the chimney. Comustion air much cooler so can be vented out side of house with PVC pipe. The fuel burns off cleanly, providing water vapor as exhaust.	2-Stage	Gas valve comes on with high or low flow depending upon the heat demand. When outside temperatures are higher the flow is low, when colder the flow is high.	Multi-Speed	Multi-speed blowers typically have 4 speed settings available. The speed is set by the servicing technician to accommodate your needs. Most often the fan is set at a lower speed for heating and a higher speed for cooling. The fan speed is typically set to low for heating, medium for 2nd Stage with 2-stage gas valve, and high for air conditioning.
94+	For every \$1 you spend in fuel, \$.94- \$.97 turns into heat for your home, \$.06-\$.03 goes up the chimney. Comustion air much cooler so can be vented out side of house with PVC pipe. The fuel burns off cleanly, providing water vapor as exhaust.	Modulating	Gas valve operates between 40% and 100% of total capacity, in percentage increments, continuously regulating the amount of fuel burned according to the usage required to reach the temperature setting. The furnace comes on at medium, and slowly modulates to off to provide more even temperatures.	Variable Speed	Motor computer module controlled to vary speed and be more electrically efficient than that of a multi-speed blower. Fan runs continuously at a much lower wattage usage, providing a more even temperature while using less power. Since the heat is more even, the motor or gas valve typically never has to run at full capacity, saving on the typical high energy usage startup.

ROSENTHALS FURNACE CATEGORIES

We offer 4 Categories from 5 Manufacturers to Meet YOUR Comfort and Budget Needs

BUDGET: Low Initial Cost, Higher Operational Cost, Standard Comfort

80 % Efficiency	Single Stage Gas Valve	Single Speed Blower Motor
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GOOD: Moderate Initial Cost, Reasonable Operational Cost, Standard Comfort

90 % Efficiency	Single or 2 Stage Gas Valve	Single or Multi-Speed Blower Motor
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BETTER: Medium-High Initial Cost, Low Operational Costs, Standard Comfort

94+ % Efficiency	Single or 2 Stage Gas Valves	Single Speed Blower Motor
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BEST: Higher Initial Cost, Low Operational Costs, Ultimate Comfort

94+ % Efficiency	Modulating or 2 Stage Gas Valve	Variable Speed Blower Motor
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