Factors that affect your fuel burn rate

Higher Fuel Consumption ←

Increased heat loss
- Poorly insulated building(s)
- Cold air infiltration
- Colder temperature
- Using wood with high moisture

Decreased heat loss
- Well insulated building(s)
- Minimal cold air infiltration
- Warmer temperature
- Using seasoned wood with moisture content of less than 25%

→ **Lower Fuel Consumption**

Furnace Sizing Worksheet - Using Previous Heating History Including Water Heater

Fuel Type	Fuel Oil	Propane	Natural Gas	Electricity	Wood†
Units	gallons	gallons	cubic feet, therms	kilowatts	cords
Units per Month					
Multiplier	x 1.18	x 0.78	x 0.0087/cu.ft x 0.87/therm	x 0.037	x 150
Sizing Value					

New, Well-Insulated Homes & Buildings††

New well-insulated buildings with R28 walls, R40 ceilings, insulated basement walls. Normal sizing allows for one picture window and one patio door. Calculation does not allow for extremely large glass or air exchange heat losses. Homes that are not well insulated are not applicable in this calculation. Use previous heating history to determine sizing.

We recommend you complete a heat loss estimate (e.g., Hydronics Institute - form 1504WH - whole-house heat loss).

Total sq. ft.	
Multiplier	x 0.06
Total Sizing Value	

Total Sizing Value →

Furnace	Suggested Sizing Range
CL 4030	0-170
CL 5036	0-355
E-Classic 1400	0-475
CL 6048, E-Classic 2400	250-710
CL 7260, Pallet Burner, E-Classic 3200	500-1800

Compare your **Total Sizing Value** to the **Suggested Sizing Range** for the listed models.

†Full cords of medium to high-quality wood.

††Improperly insulated radiant slab heating can dramatically affect sizing requirements and heat load.

Be sure to consult your dealer when sizing. Previous heating efficiencies and heat loss need to be considered when sizing a furnace. This is only a guideline.

This sizing worksheet calculation estimates the existing fossil fuel (heating oil, propane, natural gas) heating equipment performing at 75% efficiency.