

Insulation Energy Cost & HVAC Size Comparison

EAST COAST Atlantic City, NJ

Seasonal Climate – 2,400 s.f. home, facing East

Average Heating and Cooling Costs per Month

	Fiberglass vs. Closed-Cell Insulation	Fiberglass vs. Open-Cell Insulation	
Fiberglass Insulated Home	\$327	Fiberglass Insulated Home	\$327
Foam-LOK Home with Closed Cell Foam Insulation	\$86	Foam-LOK Home with Open Cell Foam Insulation	\$122
Net Mo. Savings	\$241	Net Mo. Savings	\$205
HVAC Size Requirements	Foam-LOK CC Closed-cell foam insulated Home	Foam-LOK OC Open-cell foam insulated Home	Fiberglass Insulated Home
	3 Ton	3.5 Ton	5 Ton

ROCKY MOUNTAINS Breckenridge, CO

Higher Altitude, Colder Climate – 2,400 s.f. home, facing North

Average Heating and Cooling Costs per Month

	Fiberglass vs. Closed-Cell Insulation	Fiberglass vs. Open-Cell Insulation	
Fiberglass Insulated Home	\$477	Fiberglass Insulated Home	\$477
Foam-LOK Home with Closed Cell Foam Insulation	\$118	Foam-LOK Home with Open Cell Foam Insulation	\$186
Net Mo. Savings	\$359	Net Mo. Savings	\$291
HVAC Size Requirements	Foam-LOK CC Closed-cell foam insulated Home	Foam-LOK OC Open-cell foam insulated Home	Fiberglass Insulated Home
	2.5 Ton	2.5 Ton	5 Ton

GULF COAST Baton Rouge, LA

High Humidity – 2,400 s.f. home, facing South

Average Heating and Cooling Costs per Month

	Fiberglass vs. Closed-Cell Insulation	Fiberglass vs. Open-Cell Insulation	
Fiberglass Insulated Home	\$131	Fiberglass Insulated Home	\$131
Foam-LOK Home with Closed Cell Foam Insulation	\$57	Foam-LOK Home with Open Cell Foam Insulation	\$72
Net Mo. Savings	\$74	Net Mo. Savings	\$59
HVAC Size Requirements	Foam-LOK CC Closed-cell foam insulated Home	Foam-LOK OC Open-cell foam insulated Home	Fiberglass Insulated Home
	3 Ton	3.5 Ton	5 Ton

WEST COAST San Francisco, CA

Seasonal Climate – 2,400 s.f. home, facing South

Average Heating and Cooling Costs per Month

	Fiberglass vs. Closed-Cell Insulation	Fiberglass vs. Open-Cell Insulation	
Fiberglass Insulated Home	\$200	Fiberglass Insulated Home	\$200
Foam-LOK Home with Closed Cell Foam Insulation	\$53	Foam-LOK Home with Open Cell Foam Insulation	\$77
Net Mo. Savings	\$147	Net Mo. Savings	\$123
HVAC Size Requirements	Foam-LOK CC Closed-cell foam insulated Home	Foam-LOK OC Open-cell foam insulated Home	Fiberglass Insulated Home
	2 Ton	2 Ton	5 Ton

Information is based on:

- R-38 attic insulation (unvented for foam insulation applications)
- Double-pane, Low-E aluminum windows
- R-13 fiberglass exterior, common and knee wall
- Metal poly-core doors

- R-6 flex duct located in attic area
- R-19 sloped and vaulted areas
- R-19 for under floor areas (crawl spaces and cantilevered areas)
- Caulking that includes windows, doors, sill plates, plumbing and electrical penetrations

Energy evaluations performed by Mechanical Engineer using proprietary software on 10/28/08. Energy cost savings are estimated not guaranteed and subject to construction and energy cost variables.

By combining proper equipment maintenance and upgrades with appropriate insulation, air sealing, and thermostat settings, you can cut your energy use for heating and cooling, and reduce environmental emissions, from 20% to 50%.

Source: www1.eere.energy.gov/consumer/tips/heating_cooling.html