

Auto Generation Test Results:

Software Name: EnergyGauge USA 2.5

User input data fields indicated by pale yellow

Reference Home Building Component	Test 1	Results	Test 2	Results	Test 3	Results	Test 4	Results
Above-grade walls ( $U_o$ )	0.082	0.082	0.082	0.082	0.082	0.082	0.06	0.06
Above-grade wall solar absorptance ( $\alpha$ )	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Above-grade wall infrared emittance ( $\epsilon$ )	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Basement walls ( $U_o$ )	n/a	n/a	n/a	n/a	n/a	n/a	0.059	0.059
Above-grade floors ( $U_o$ )	0.047	0.047	0.047	0.047	n/a	n/a	n/a	n/a
Slab insulation R-Value	n/a	n/a	n/a	n/a	0	0	0	0
Ceilings ( $U_o$ )	0.03	0.03	0.035	0.035	0.035	0.035	0.03	0.03
Roof solar absorptance ( $\alpha$ )	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Roof infrared emittance ( $\epsilon$ )	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Attic vent area* (ft <sup>2</sup> )	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13
Crawlspace vent area* (ft <sup>2</sup> )	n/a	n/a	10.26	10.26	n/a	n/a	n/a	n/a
Exposed masonry floor area* (ft <sup>2</sup> )	n/a	n.a	n/a	n.a	307.8	307.8	307.8	307.8
Carpet & pad R-Value	n/a	2	n/a	2	2	2	2	2
Door Area (ft <sup>2</sup> )	40	40	40	40	40	40	40	40
Door U-Factor	0.4	0.4	0.65	0.65	1.2	1.2	0.35	0.35
North window area* (ft <sup>2</sup> )	69.26	69.26	69.26	69.26	69.26	69.26	102.63	102.63
South window area* (ft <sup>2</sup> )	69.26	69.26	69.26	69.26	69.26	69.26	102.63	102.63
East window area* (ft <sup>2</sup> )	69.26	69.26	69.26	69.26	69.26	69.26	102.63	102.63
West window area* (ft <sup>2</sup> )	69.26	69.26	69.26	69.26	69.26	69.26	102.63	102.63
Window U-Factor	0.4	0.4	0.65	0.65	1.2	1.2	0.35	0.35
Window SHGC <sub>o</sub> (heating)	0.4675	0.4675	0.34	0.34	0.34	0.34	0.4675	0.4675
Window SHGC <sub>o</sub> (cooling)	0.385	0.385	0.28	0.28	0.28	0.28	0.385	0.385
SLA <sub>s</sub> * (ft <sup>2</sup> /ft <sup>2</sup> )	0.00048	0.00048	0.00048	0.00048	0.00048	0.00048	0.00048	0.00048
Internal gains* (Btu/day)	66,840	66,840	66,840	66,840	62,736	62,734	107,572	107,571
Labeled heating system rating and efficiency	AFUE = 78%	AFUE = 78%	HSPF = 7.7	HSPF = 7.7	HSPF = 7.7	HSPF = 7.7	AFUE = 78%	AFUE = 78%
Labeled cooling system rating and efficiency	SEER = 13	13	SEER = 13	13	SEER = 13	SEER = 13	SEER = 13	SEER = 13
Air Distribution System Efficiency	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Thermostat Type	Manual	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Heating thermostat settings	68 F (all hours)	68 F (all hours)	68 F (all hours)	68 F (all hours)	68 F (all hours)	68 F (all hours)	68 F (all hours)	68 F (all hours)
Cooling thermostat settings	78 F (all hours)	78 F (all hours)	78 F (all hours)	78 F (all hours)	78 F (all hours)	78 F (all hours)	78 F (all hours)	78 F (all hours)
e-Ratio		1.004		1.003		1.005		0.999