

Auto Generation Test Results:

Software Name: MICROPAS7

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	0.82	0.082	0.082	0.082	0.082	0.06	0.06
Above-grade wall solar absorptance (α)	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Above-grade wall infrared emittance (ϵ)	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	--	0.059	0.059
Above-grade floors (U_o)	0.047	0.047	0.047	0.047	n/a	--	n/a	--
Slab insulation R-Value	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 (α)	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
Roof infrared emittance (ϵ)	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Attic vent area* (ft^2)	5.13	5.13	5.13	5.13	5.13	5.13	5.13	5.13
Crawlspace vent area* (ft^2)	n/a	--	10.26	10.26	n/a	--	n/a	--
Exposed masonry floor area* (ft^2)	n/a	--	n/a	--	307.8	308	307.8	308
Carpet & pad R-Value	n/a	--	n/a	--	2	2	2	2
Door Area (ft^2)	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^2)	69.26	69.3	69.26	69.3	69.26	69.3	102.63	102.6
South window area* (ft^2)	69.26	69.3	69.26	69.3	69.26	69.3	102.63	102.6
East window area* (ft^2)	69.26	69.3	69.26	69.3	69.26	69.3	102.63	102.6
West window area* (ft^2)	69.26	69.3	69.26	69.3	69.26	69.3	102.63	102.6
Window U-Factor	0.4	0.4	0.65	0.65	1.2	1.2	0.35	0.35
Window SHGC _o (heating)	0.4675	0.4675	0.34	0.34	0.34	0.34	0.4675	0.468
Window SHGC _o (cooling)	0.385	0.385	0.28	0.28	0.28	0.28	0.385	0.385
SLA _o * (ft^2/ft^2)	0.00048	4.8	0.00048	4.8	0.00048	4.8	0.00048	4.8
Internal gains* (Btu/day)	66,840	66,948	66,840	66,948	62,736	62,808	107,572	107,716
Labeled heating system rating and efficiency	AFUE = 78%	0.78	HSPF = 7.7	7.7	HSPF = 7.7	7.7	AFUE = 78%	0.78
Labeled cooling system rating and efficiency	SEER = 13	13	SEER = 13	13	SEER = 13	13	SEER = 13	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	68 F (all hours)	68	68 F (all hours)	68	68 F (all hours)	68
Cooling thermostat settings	78 F (all hours)	78	78 F (all hours)	78	78 F (all hours)	78	78 F (all hours)	78
e-Ratio		1.000		1.000		1.000		1.000