

# Reference Home Characteristics

FSEC  
 111 Anywhere Lane  
 Tallahassee, FL,  
 Registration #:

Title: FL-AutoGen\_case1  
 FLBase2014

TMY City: FL\_TALLAHASSEE\_  
 Elec Util: EnergyGauge Default  
 Gas Util: EnergyGauge Default  
 Run Date: (invalid) (invalid)

HERS BESTEST basecase home

Above-grade Walls (Uo)	0.082
Above-grade Wall Solar Absorptance	0.75
Above-grade Wall Infrared Emittance	0.90
Basement Walls (Uo)	n/a
Above-grade Floors (Uo)	0.064
Slab Insulation R-Value	n/a
Ceilings (Uo)	0.030
Roof Solar Absorptance	0.75
Roof Infrared Emittance	0.90
Attic Vent Area (ft²)	5.13
Crawlspace Vent Area (ft²)	n/a
Exposed Masonry Floor Area (ft²)	n/a
Carpet & Pad R-Value	n/a
Door Area (ft²)	40
Door U-Factor	0.40
North Window Area (ft²)	57.71
South Window Area (ft²)	57.71
East Window Area (ft²)	57.71
West Window Area (ft²)	57.71
Window U-Factor	0.40
Window SHGC (Heating)	0.2169
Window SHGC (Cooling)	0.217
ACH50	5.00
Internal Gains * (Btu/day)	66840
Water heater gallons per day	60.00
Water heater set point temperature	120.00
Water heater efficiency rating	0.62
Labeled Heating System Rating and Efficiency	AFUE = 78%
Labeled Cooling System Rating and Efficiency	SEER = 14.0
Air Distribution System Efficiency	0.88
Thermostat Type	Manual
Heating Thermostat Settings	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
Cooling Thermostat Settings	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0

# Reference Home Characteristics

FSEC  
 111 Anywhere Lane  
 Orlando, FL,  
 Registration #:

Title: FL-AutoGen\_case2  
 FLBase2014

TMY City: FL\_ORLANDO\_INTL  
 Elec Util: EnergyGauge Default  
 Gas Util: EnergyGauge Default  
 Run Date: (invalid) (invalid)

HERS BESTEST basecase home

Above-grade Walls (Uo)	0.082
Above-grade Wall Solar Absorptance	0.75
Above-grade Wall Infrared Emittance	0.90
Basement Walls (Uo)	n/a
Above-grade Floors (Uo)	0.064
Slab Insulation R-Value	n/a
Ceilings (Uo)	0.030
Roof Solar Absorptance	0.75
Roof Infrared Emittance	0.90
Attic Vent Area (ft²)	5.13
Crawlspace Vent Area (ft²)	1.026
Exposed Masonry Floor Area (ft²)	n/a
Carpet & Pad R-Value	n/a
Door Area (ft²)	40
Door U-Factor	0.40
North Window Area (ft²)	57.71
South Window Area (ft²)	57.71
East Window Area (ft²)	57.71
West Window Area (ft²)	57.71
Window U-Factor	0.40
Window SHGC (Heating)	0.2169
Window SHGC (Cooling)	0.217
ACH50	5.00
Internal Gains * (Btu/day)	66840
Water heater gallons per day	60.00
Water heater set point temperature	120.00
Water heater efficiency rating	0.94
Labeled Heating System Rating and Efficiency	HSPF = 8.2
Labeled Cooling System Rating and Efficiency	SEER = 14.0
Air Distribution System Efficiency	0.88
Thermostat Type	Manual
Heating Thermostat Settings	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
Cooling Thermostat Settings	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0

# Reference Home Characteristics

FSEC  
 111 Anywhere Lane  
 Miami, FL,  
 Registration #:

Title: FL-AutoGen\_case3  
 FLBase2014

TMY City: FL\_MIAMI\_INTL\_AP  
 Elec Util: EnergyGauge Default  
 Gas Util: EnergyGauge Default  
 Run Date: (invalid) (invalid)

HERS BESTEST insulated slab case

Above-grade Walls (Uo)	0.082
Above-grade Wall Solar Absorptance	0.75
Above-grade Wall Infrared Emittance	0.90
Basement Walls (Uo)	n/a
Above-grade Floors (Uo)	n/a
Slab Insulation R-Value	0
Ceilings (Uo)	0.035
Roof Solar Absorptance	0.75
Roof Infrared Emittance	0.90
Attic Vent Area (ft²)	5.13
Crawlspace Vent Area (ft²)	n/a
Exposed Masonry Floor Area (ft²)	307.8
Carpet & Pad R-Value	2.0
Door Area (ft²)	40
Door U-Factor	0.50
North Window Area (ft²)	57.71
South Window Area (ft²)	57.71
East Window Area (ft²)	57.71
West Window Area (ft²)	57.71
Window U-Factor	0.50
Window SHGC (Heating)	0.2169
Window SHGC (Cooling)	0.217
ACH50	5.00
Internal Gains * (Btu/day)	62736
Water heater gallons per day	50.00
Water heater set point temperature	120.00
Water heater efficiency rating	0.95
Labeled Heating System Rating and Efficiency	HSPF = 8.2
Labeled Cooling System Rating and Efficiency	SEER = 14.0
Air Distribution System Efficiency	0.88
Thermostat Type	Manual
Heating Thermostat Settings	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
Cooling Thermostat Settings	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0

# Reference Home Characteristics

FSEC  
 111 Anywhere Lane  
 Jacksonville, FL,  
 Registration #:

Title: FL-AutoGen\_case4  
 FLBase2014

TMY City: FL\_JACKSONVILLE\_  
 Elec Util: EnergyGauge Default  
 Gas Util: EnergyGauge Default  
 Run Date: (invalid) (invalid)

HERS BESTEST insulated basement case

Above-grade Walls (Uo)	0.082
Above-grade Wall Solar Absorptance	0.75
Above-grade Wall Infrared Emittance	0.90
Basement Walls (Uo)	0.360
Above-grade Floors (Uo)	n/a
Slab Insulation R-Value	0
Ceilings (Uo)	0.030
Roof Solar Absorptance	0.75
Roof Infrared Emittance	0.90
Attic Vent Area (ft <sup>2</sup> )	5.13
Crawlspace Vent Area (ft <sup>2</sup> )	n/a
Exposed Masonry Floor Area (ft <sup>2</sup> )	307.8
Carpet & Pad R-Value	2.0
Door Area (ft <sup>2</sup> )	40
Door U-Factor	0.40
North Window Area (ft <sup>2</sup> )	50.02
South Window Area (ft <sup>2</sup> )	50.02
East Window Area (ft <sup>2</sup> )	50.02
West Window Area (ft <sup>2</sup> )	50.02
Window U-Factor	0.40
Window SHGC (Heating)	0.2169
Window SHGC (Cooling)	0.217
ACH50	5.00
Internal Gains * (Btu/day)	107572
Water heater gallons per day	70.00
Water heater set point temperature	120.00
Water heater efficiency rating	0.62
Labeled Heating System Rating and Efficiency	AFUE = 78%
Labeled Cooling System Rating and Efficiency	SEER = 14.0
Air Distribution System Efficiency	0.88
Thermostat Type	Manual
Heating Thermostat Settings	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
Cooling Thermostat Settings	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0

# Reference Home Characteristics

FSEC  
111 Anywhere Lane  
Tallahassee, FL,  
Registration #:

Title: FL-AutoGen\_case1  
FLBase2014

TMY City: FL\_TALLAHASSEE\_  
Elec Util: EnergyGauge Default  
Gas Util: EnergyGauge Default  
Run Date: (invalid) (invalid)

HERS BESTEST basecase home

Above-grade Walls (Uo)	0.082
Above-grade Wall Solar Absorptance	0.75
Above-grade Wall Infrared Emittance	0.90
Basement Walls (Uo)	n/a
Above-grade Floors (Uo)	0.064
Slab Insulation R-Value	n/a
Ceilings (Uo)	0.030
Roof Solar Absorptance	0.75
Roof Infrared Emittance	0.90
Attic Vent Area (ft²)	5.13
Crawlspace Vent Area (ft²)	n/a
Exposed Masonry Floor Area (ft²)	n/a
Carpet & Pad R-Value	n/a
Door Area (ft²)	40
Door U-Factor	0.40
North Window Area (ft²)	57.71
South Window Area (ft²)	57.71
East Window Area (ft²)	57.71
West Window Area (ft²)	57.71
Window U-Factor	0.40
Window SHGC (Heating)	0.2169
Window SHGC (Cooling)	0.217
ACH50	5.00
Internal Gains * (Btu/day)	66840
Water heater gallons per day	60.00
Water heater set point temperature	120.00
Water heater efficiency rating	0.62
Labeled Heating System Rating and Efficiency	AFUE = 78%
Labeled Cooling System Rating and Efficiency	SEER = 14.0
Air Distribution System Efficiency	0.88
Thermostat Type	Manual
Heating Thermostat Settings	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
Cooling Thermostat Settings	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0

# Reference Home Characteristics

FSEC  
111 Anywhere Lane  
Orlando, FL,  
Registration #:

Title: FL-AutoGen\_case2  
FLBase2014

TMY City: FL\_ORLANDO\_INTL  
Elec Util: EnergyGauge Default  
Gas Util: EnergyGauge Default  
Run Date: (invalid) (invalid)

HERS BESTEST basecase home

Above-grade Walls (Uo)	0.082
Above-grade Wall Solar Absorptance	0.75
Above-grade Wall Infrared Emittance	0.90
Basement Walls (Uo)	n/a
Above-grade Floors (Uo)	0.064
Slab Insulation R-Value	n/a
Ceilings (Uo)	0.030
Roof Solar Absorptance	0.75
Roof Infrared Emittance	0.90
Attic Vent Area (ft <sup>2</sup> )	5.13
Crawlspace Vent Area (ft <sup>2</sup> )	1.026
Exposed Masonry Floor Area (ft <sup>2</sup> )	n/a
Carpet & Pad R-Value	n/a
Door Area (ft <sup>2</sup> )	40
Door U-Factor	0.40
North Window Area (ft <sup>2</sup> )	57.71
South Window Area (ft <sup>2</sup> )	57.71
East Window Area (ft <sup>2</sup> )	57.71
West Window Area (ft <sup>2</sup> )	57.71
Window U-Factor	0.40
Window SHGC (Heating)	0.2169
Window SHGC (Cooling)	0.217
ACH50	5.00
Internal Gains * (Btu/day)	66840
Water heater gallons per day	60.00
Water heater set point temperature	120.00
Water heater efficiency rating	0.94
Labeled Heating System Rating and Efficiency	HSPF = 8.2
Labeled Cooling System Rating and Efficiency	SEER = 14.0
Air Distribution System Efficiency	0.88
Thermostat Type	Manual
Heating Thermostat Settings	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
Cooling Thermostat Settings	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0

# Reference Home Characteristics

FSEC  
 111 Anywhere Lane  
 Miami, FL,  
 Registration #:

Title: FL-AutoGen\_case3  
 FLBase2014

TMY City: FL\_MIAMI\_INTL\_AP  
 Elec Util: EnergyGauge Default  
 Gas Util: EnergyGauge Default  
 Run Date: (invalid) (invalid)

HERS BESTEST insulated slab case

Above-grade Walls (Uo)	0.082
Above-grade Wall Solar Absorptance	0.75
Above-grade Wall Infrared Emittance	0.90
Basement Walls (Uo)	n/a
Above-grade Floors (Uo)	n/a
Slab Insulation R-Value	0
Ceilings (Uo)	0.035
Roof Solar Absorptance	0.75
Roof Infrared Emittance	0.90
Attic Vent Area (ft <sup>2</sup> )	5.13
Crawlspace Vent Area (ft <sup>2</sup> )	n/a
Exposed Masonry Floor Area (ft <sup>2</sup> )	307.8
Carpet & Pad R-Value	2.0
Door Area (ft <sup>2</sup> )	40
Door U-Factor	0.50
North Window Area (ft <sup>2</sup> )	57.71
South Window Area (ft <sup>2</sup> )	57.71
East Window Area (ft <sup>2</sup> )	57.71
West Window Area (ft <sup>2</sup> )	57.71
Window U-Factor	0.50
Window SHGC (Heating)	0.2169
Window SHGC (Cooling)	0.217
ACH50	5.00
Internal Gains * (Btu/day)	62736
Water heater gallons per day	50.00
Water heater set point temperature	120.00
Water heater efficiency rating	0.95
Labeled Heating System Rating and Efficiency	HSPF = 8.2
Labeled Cooling System Rating and Efficiency	SEER = 14.0
Air Distribution System Efficiency	0.88
Thermostat Type	Manual
Heating Thermostat Settings	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
Cooling Thermostat Settings	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0

# Reference Home Characteristics

FSEC  
111 Anywhere Lane  
Jacksonville, FL,  
Registration #:

Title: FL-AutoGen\_case4  
FLBase2014

TMY City: FL\_JACKSONVILLE\_  
Elec Util: EnergyGauge Default  
Gas Util: EnergyGauge Default  
Run Date: (invalid) (invalid)

HERS BESTEST insulated basement case

Above-grade Walls (Uo)	0.082
Above-grade Wall Solar Absorptance	0.75
Above-grade Wall Infrared Emittance	0.90
Basement Walls (Uo)	0.360
Above-grade Floors (Uo)	n/a
Slab Insulation R-Value	0
Ceilings (Uo)	0.030
Roof Solar Absorptance	0.75
Roof Infrared Emittance	0.90
Attic Vent Area (ft <sup>2</sup> )	5.13
Crawlspace Vent Area (ft <sup>2</sup> )	n/a
Exposed Masonry Floor Area (ft <sup>2</sup> )	307.8
Carpet & Pad R-Value	2.0
Door Area (ft <sup>2</sup> )	40
Door U-Factor	0.40
North Window Area (ft <sup>2</sup> )	50.02
South Window Area (ft <sup>2</sup> )	50.02
East Window Area (ft <sup>2</sup> )	50.02
West Window Area (ft <sup>2</sup> )	50.02
Window U-Factor	0.40
Window SHGC (Heating)	0.2169
Window SHGC (Cooling)	0.217
ACH50	5.00
Internal Gains * (Btu/day)	107572
Water heater gallons per day	70.00
Water heater set point temperature	120.00
Water heater efficiency rating	0.62
Labeled Heating System Rating and Efficiency	AFUE = 78%
Labeled Cooling System Rating and Efficiency	SEER = 14.0
Air Distribution System Efficiency	0.88
Thermostat Type	Manual
Heating Thermostat Settings	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
	72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0, 72.0
Cooling Thermostat Settings	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0
	75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0, 75.0