

Florida 2023 Reference Home Summary



Property
Orlando, FL 32789

Organization
Ekotrope
Patrick Nachlas
410-245-8290

Inspection Status
Results are projected

Florida Test Project
Florida 2023 Reference

Builder

General Building Information

Number Of Bedrooms: 3	Number Of Floors: 2
Conditioned Floor Area [sq. ft.]: 2,000	Has Electric Vehicle Ready Space: No
Unconditioned, attached garage? No	Conditioned Volume [cu. ft.]: 19,000
Total Units in Building: 1	Residence Type: Single family detached
Number of Floors in Building: N/A	Floor Number: N/A
Model: N/A	Community:
RESNET/IECC 2006-2018 Climate Zone: 2A	IECC 2021 Climate Zone: 2A

Envelope Components

Slab

Name	Library Type	Perimeter	Floor Grade	Carpet R	Exposed Masonry Area	Surface Area	Location	Enclosing
Slab	Florida 2023 Reference	130	On Grade	2	200	1,000.0 ft²	Exposed Exterior	Conditioned Space

Slab Library List

Name	Wall Construction Type	Slab Completely Insulated?	Underslab Insulation Width [ft]	Perimeter Insulation Depth [ft]	Perimeter Insulation R Value	Perimeter Insulation Is Exterior	Thermal Break	Effective R-value
Florida 2023 Reference	Wood Frame / Other	No	0	0	0	Yes	No	0.00

Rim Joist

Name	Library Type	Surface Area	Location	Effective Insulation R-value
Rim Joist	Florida 2023 Reference	130.0 ft²	Exposed Exterior	11.905

Wall

Name	Library Type	Surface Color	Solar Absorptance	Surface Area	Location	Effective R-value
Wall	Florida 2023 Reference	Medium	0.75	2,210.0 ft²	Exposed Exterior	11.905

Glazing

Name	Library Type	Wall Assignment	Foundation Wall Assignment	Is Operable	Overhang Depth	Overhang Ft To Top	Overhang Ft To Bottom	Orientation	Surface Area
NORTH Window /Glass Door	Florida 2023 Reference	Wall		Yes	0	0	0	North	75.0 ft²
NORTH Window /Glass Door	Florida 2023 Reference	Wall		Yes	0	0	0	East	75.0 ft²
NORTH Window /Glass Door	Florida 2023 Reference	Wall		Yes	0	0	0	West	75.0 ft²
NORTH Window /Glass Door	Florida 2023 Reference	Wall		Yes	0	0	0	South	75.0 ft²

Glazing Library List

Name	Shgc	U-factor
Florida 2023 Reference	0.25	0.400

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Opaque Door									
Name	Library Type	Wall Assignment	Foundation Wall Assignment	Emittance	Solar Absorptance	Surface Color	Surface Area	Location	Effective R-value
Opaque Door	Florida 2023 Reference	Wall		0.9	0.75	Medium	40.0 ft² Exposed Exterior		2.50

Roof Insulation									
Name	Library Type	Attic Exterior Area [ft²]	Clay or Concrete Roof Tiles	Does the Roof have Eaves?	Effective R-Value after eaves	Surface Color	Solar Absorptance	Surface Area	Location
Roof	Florida 2023 Reference	1,100	No	No	-	Medium	0.75	1,000.0 ft²	Attic

Roof Insulation Library List					Whole House Infiltration		
Name	Has Radiant Barrier	Effective R-value	Infiltration	Measurement Type	Shelter Class		
Florida 2023 Reference	No	33.333	7 ACH at 50 Pa	Untested	4		

Mechanicals, Lights & Water

Lighting					
% Interior Fluorescent Lighting	% Interior LED Lighting	% Exterior Fluorescent Lighting	% Exterior LED Lighting	% Garage Fluorescent Lighting	% Garage LED Lighting
0	0	0	0	0	0

Dehumidifier				
Name	Library Type	Equipment Type	Capacity [pints/day]	Integrated Energy Factor [liters/kWh]
Florida 2023 Reference	Florida 2023 Reference	Whole Home	50	1.7

Conditioning Equipment						
Name	Library Type	Serial Number	Heating Percent Load	Cooling Percent Load	Hot Water Percent Load	Location
Cooling Equipment	Low Efficiency AC		0%	100%	0%	Unspecified
Heating Equipment	ASHP		100%	0%	0%	Unspecified
Water Heater	50 Gal 0.6 EF Electric Water Heater		0%	0%	100%	Unspecified

Equipment Type: 50 Gal 0.6 EF Electric Water Heater		Equipment Type: ASHP	
Equipment Type	Residential Water Heater	Equipment Type	Air Source Heat Pump
Fuel Type	Electric	Fuel Type	Electric
Distribution Type	Hydronic Delivery (Radiant)	Distribution Type	Forced Air
Hot Water Efficiency	0.9207 UEF	Motor Type	ECM (Variable Speed)
Tank Capacity (gal.)	50	Heat Pump System Type	Small Duct High Velocity
		Heating Efficiency	6.1 HSPF2
		Heating Capacity [kBtu/h]	31.0
		Backup Fuel Type	Natural Gas
		Switchover Temperature [°F]	18
		Backup Heating Efficiency	80 AFUE
		Backup Capacity [kBtu/h]	22.5

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Equipment Type: Low Efficiency AC

Equipment Type	Air Conditioner
Fuel Type	Electric
Distribution Type	Forced Air
Motor Type	PSC (Single Speed)
Heat Pump System Type	Unspecified
Cooling Efficiency	14.3 SEER2
Cooling Capacity [kBtu/h]	21.9

Distribution System

Distribution Type	Forced Air
Heating Equipment	Heating Equipment
Cooling Equipment	Cooling Equipment
Is All Equipment In Conditioned Space	Yes
Leakage Default	HERS Default Leakage
Duct System Efficiency	0.88

Water Distribution

Water Fixture Type	Standard
Use Default Hot Water Pipe Length	Yes
At Least R3 Pipe Insulation?	No
Hot Water Recirculation System?	No
Drain Water Heat Recovery?	No

Appliances & Notes

Clothes Dryer

Cef	3.01
Fuel Type	Electric
Field Utilization	Timer Controls
Is Outside Conditioned Space	No
Defaults Type	HERS Reference
Is Ventless	No
Is Heat Pump	No
Clothes Dryer Available	Yes

Clothes Washer

Label Energy Rating	400 kWh/Year
Annual Gas Cost	\$27.00
Electric Rate	\$0.12/kWh
Gas Rate	\$1.09/Therm
Capacity	3
Imef	1
Defaults Type	HERS Reference
Load Type	Front-load
Loads Per Week	6
Is Outside Conditioned Space	No
Clothes Washer Available	Yes

Dishwasher

Dishwasher Defaults Type	HERS Reference
Dishwasher Size	Standard
Dishwasher Efficiency	467 kWh
Annual Gas Cost	\$33.12
Electric Rate	\$0.12/kWh
Gas Rate	\$1.09/Therm
Is Outside Conditioned Space	No
Dishwasher Available	Yes

Appliances and Controls

Thermostat Cooling Setpoint	*** 75.0
Thermostat Heating Setpoint	*** 72.0
Range/Oven Fuel	Electric
Convection Oven?	No
Induction Range?	No
Range/Oven Outside Conditioned Space?	No
Refrigerator Consumption	691 kWh/Year
Refrigerator Outside Conditioned Space?	No

Components Not Found: Foundation Wall, Foundation Wall Library List, Framed Floor, Skylight, Mechanical Ventilation, Onsite Generation, Solar Generation, Whole House Fan, Whole House Fan Library List, HVAC Grading (Not Conducted), Ceiling Fan, Notes