

Project Summary

Entire House

Job:
Date: Jan 25, 2021
By:

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Project Information

For: Greg & Gloria Fisher
224 SW Fprdham Glen, Fort White, FL 32038

Notes:



Design Information

Weather: Tallahassee Regional AP, FL, US

Winter Design Conditions

Outside db	29 °F
Inside db	70 °F
Design TD	41 °F

Summer Design Conditions

Outside db	94 °F
Inside db	75 °F
Design TD	19 °F
Daily range	M
Relative humidity	50 %
Moisture difference	42 gr/lb

Heating Summary

Structure	13476 Btuh
Ducts	4308 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	17784 Btuh

Sensible Cooling Equipment Load Sizing

Structure	19698 Btuh
Ducts	5198 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.99
Equipment sensible load	24646 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Loose)

Latent Cooling Equipment Load Sizing

Structure	2464 Btuh
Ducts	708 Btuh
Central vent (0 cfm)	0 Btuh
(none)	
Equipment latent load	3172 Btuh
Equipment Total Load (Sen+Lat)	27818 Btuh
Req. total capacity at 0.70 SHR	2.9 ton

	Heating	Cooling
Area (ft²)	1670	1670
Volume (ft³)	13336	13336
Air changes/hour	0.53	0.20
Equiv. AVF (cfm)	117	44

Heating Equipment Summary

Make	
Trade	
Model	
AHRI ref	
Efficiency	80 AFUE
Heating input	0 Btuh
Heating output	0 Btuh
Temperature rise	0 °F
Actual air flow	1068 cfm
Air flow factor	0.060 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

Cooling Equipment Summary

Make	
Trade	
Cond	
Coil	
AHRI ref	
Efficiency	0 SEER
Sensible cooling	0 Btuh
Latent cooling	0 Btuh
Total cooling	0 Btuh
Actual air flow	1068 cfm
Air flow factor	0.043 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.89

Calculations approved by ACCA to meet all requirements of Manual J 8th Ed.



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greenDocuments\Wrightsoft HVAC\Greg Fisher.rup Calc = MJ8 Front Door faces: S

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