



Project Summary

1st Floor

Waller Heating & Air

Job:
Date: Jan 11, 2022
By:

405 N. SL Augustine Rd., Valdosta, GA 31601 Phone: 229-244-1200

Project Information

For: America's Home Place, Denise and Olea Rios

Notes:

Design Information

Weather: Valdosta Moody AFB, GA, US

Winter Design Conditions

Outside db 31 °F
Inside db 70 °F
Design TD 39 °F

Summer Design Conditions

Outside db 97 °F
Inside db 75 °F
Design TD 22 °F
Daily range M
Relative humidity 50 %
Moisture difference 44 gr/lb

Heating Summary

Structure 32095 Btuh
Ducts 8568 Btuh
Central vent (0 cfm) 0 Btuh

Humidification 0 Btuh
Piping 0 Btuh
Equipment load 40663 Btuh

Sensible Cooling Equipment Load Sizing

Structure 26983 Btuh
Ducts 11080 Btuh
Central vent (0 cfm) 0 Btuh

Blower 0 Btuh

Use manufacturer's data n
Rate/swing multiplier 1.02
Equipment sensible load 38825 Btuh

Infiltration

Method Simplified
Construction quality Tight
Fireplaces 0

Latent Cooling Equipment Load Sizing

Structure 2013 Btuh
Ducts 1281 Btuh
Central vent (0 cfm) 0 Btuh

Equipment latent load 3294 Btuh

	Heating	Cooling
Area (ft²)	2727	2727
Volume (ft³)	32264	32264
Air changes/hour	0.10	0.05
Equiv. AVF (cfm)	55	27

Equipment Total Load (Sen+Lat) 42119 Btuh
Req. total capacity at 0.70 SHR 4.6 ton

Heating Equipment Summary

Make n/a
Trade n/a
Model n/a
AHRI ref. n/a

Efficiency n/a
Heating input 0 Btuh
Heating output 0 °F
Temperature rise 0 cfm
Actual air flow 0 cfm/Btuh
Air flow factor 0 in H2O
Static pressure n/a
Space thermostat

Cooling Equipment Summary

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

Bold/italic values have been manually overridden

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



Right-Suite® Universal 2021 21.0.08 RSU06878

2022-Mar-16 14:01:38

Page 1

...Denise and OleaAmerica's Home Place (Rios).rup Calc = MJ8 Front Door faces: N

Project Information

For: America's Home Place, Denise and Olea Rios

Notes:

Design Information

Weather: Valdosta Moody AFB, GA, US

Winter Design Conditions

Outside db 31 °F
Inside db 70 °F
Design TD 39 °F

Summer Design Conditions

Outside db 97 °F
Inside db 75 °F
Design TD 22 °F
Daily range M
Relative humidity 50 %
Moisture difference 44 gr/lb

Heating Summary

Structure 6666 Btuh
Ducts 1780 Btuh
Central vent (0 cfm) 0 Btuh

Humidification 0 Btuh
Piping 0 Btuh
Equipment load 8446 Btuh

Infiltration

Method Simplified
Construction quality Tight
Fireplaces 0

	Heating	Cooling
Area (ft²)	1132	1132
Volume (ft³)	10188	10188
Air changes/hour	0.09	0.05
Equiv. AVF (cfm)	16	8

Heating Equipment Summary

Make n/a
Trade n/a
Model n/a
AHRI ref. n/a

Efficiency n/a
Heating input 0 Btuh
Heating output 0 °F
Temperature rise 0 cfm
Actual air flow 0 cfm/Btuh
Air flow factor 0 in H2O
Static pressure n/a
Space thermostat

Sensible Cooling Equipment Load Sizing

Structure 7538 Btuh
Ducts 3095 Btuh
Central vent (0 cfm) 0 Btuh

Blower 0 Btuh

Use manufacturer's data n
Rate/swing multiplier 1.02
Equipment sensible load 10845 Btuh

Latent Cooling Equipment Load Sizing

Structure 237 Btuh
Ducts 532 Btuh
Central vent (0 cfm) 0 Btuh

Equipment latent load 769 Btuh

Equipment Total Load (Sen+Lat) 11614 Btuh
Req. total capacity at 0.70 SHR 1.3 ton

Cooling Equipment Summary

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

Bold/italic values have been manually overridden

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