



Project Summary
Entire House
Glenn I. Jones, Inc.

Job:
Date: Aug 6, 2012
By:

552 NW Hilton Ave, Lake City, FL 32055 Phone: 386-752-5389 Fax: 386-755-3401 Email: byron@gijinc.com Web: www.glennijonesinc.com

Project Information

For: Jeffery Fuller
343 SW Suwannee Downs Dr., Lake City, FL 32024
Phone: 755-9700

Notes:

Design Information

Weather: Gainesville, FL, US

Winter Design Conditions

Outside db	33 °F
Inside db	70 °F
Design TD	37 °F

Summer Design Conditions

Outside db	92 °F
Inside db	75 °F
Design TD	17 °F
Daily range	M
Relative humidity	50 %
Moisture difference	52 gr/lb

Heating Summary

Structure	33417 Btuh
Ducts	10955 Btuh
Central vent (0 cfm)	0 Btuh
Humidification	0 Btuh
Piping	0 Btuh
Equipment load	44372 Btuh

Sensible Cooling Equipment Load Sizing

Structure	27667 Btuh
Ducts	13423 Btuh
Central vent (0 cfm)	0 Btuh
Blower	0 Btuh
Use manufacturer's data	n
Rate/swing multiplier	0.97
Equipment sensible load	39858 Btuh

Infiltration

Method	Simplified
Construction quality	Average
Fireplaces	1 (Average)

	Heating	Cooling
Area (ft²)	2430	2430
Volume (ft³)	24300	24300
Air changes/hour	0.46	0.21
Equiv. AVF (cfm)	186	85

Latent Cooling Equipment Load Sizing

Structure	4590 Btuh
Ducts	3102 Btuh
Central vent (0 cfm)	0 Btuh
Equipment latent load	7692 Btuh
Equipment total load	47550 Btuh
Req. total capacity at 0.84 SHR	4.0 ton

Heating Equipment Summary

Make Carrier
Trade Comfort 15
Model 25HBC548
AHRI ref no3646319

Efficiency	8.5 HSPF
Heating input	
Heating output	46500 Btuh @ 47°F
Temperature rise	25 °F
Actual air flow	1704 cfm
Air flow factor	0.038 cfm/Btuh
Static pressure	0 in H2O
Space thermostat	

Cooling Equipment Summary

Make Carrier	
Trade Comfort 15	
Cond 25HBC548	
Coil FX4DNF049T00	
AHRI ref no3646319	
Efficiency	15 SEER
Sensible cooling	39900 Btuh
Latent cooling	7600 Btuh
Total cooling	47500 Btuh
Actual air flow	1704 cfm
Air flow factor	0.041 cfm/Btuh
Static pressure	0 in H2O
Load sensible heat ratio	0.84

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



Wrightsoft

Right-Suite® Universal 2012 12.0.04 RSU01086

R:\Wrightsoft HVAC\Project\fuller jeffery.rup Calc = MJ8 Front Door faces: N

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This combination qualifies for a Federal Energy Efficiency Tax Credit when placed in service between Feb 17, 2009 and Dec 31, 2011.

Certificate of Product Ratings

AHRI Certified Reference Number: 3646319

Date: 8/24/2012

Product: Split System: Heat Pump with Remote Outdoor Unit-Air-Source

Outdoor Unit Model Number: 25HBC548A**30

Indoor Unit Model Number: FX4DN(B,F)049

Manufacturer: CARRIER AIR CONDITIONING

Trade/Brand name: BASE 15 PURON HP

Manufacturer responsible for the rating of this system combination is CARRIER AIR CONDITIONING

Rated as follows in accordance with AHRI Standard 210/240-2008 for Unitary Air-Conditioning and Air-Source Heat Pump Equipment and subject to verification of rating accuracy by AHRI-sponsored, independent, third party testing:

Cooling Capacity (Btuh):	47500
EER Rating (Cooling):	12.50
SEER Rating (Cooling):	15.00
Heating Capacity(Btuh) @ 47 F:	46500
Region IV HSPF Rating (Heating):	8.50
Heating Capacity(Btuh) @ 17 F:	29000

* Ratings followed by an asterisk (*) indicate a voluntary rerate of previously published data, unless accompanied with a WAS, which indicates an involuntary rerate.

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Air-Conditioning, Heating, and Refrigeration Institute

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CERTIFICATE NO.: 129903053961952131

GLENN I. JONES INC.

COOLING • HEATING
SPECIALISTS

State Cert. # CAC051486

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386-752-5389 fax 386-755-3401

gij@bellsouth.net

08/06/2012

Reference:HVAC permit:

Fuller Residence

Material proposal

Mastic

Foil tape

Insulation wrap

Pvc drain piping

Equipment:

Carrier 25HBC548A003, FX4DNF049T00, CE0801N08, TC-NHP01