



Certificate of Product Ratings

AHRI Certified Reference Number: 4385126

Date: 7/23/2012

Product: Single-Package Heat Pump Air-Source

Model Number: GPH1348H41B*

Manufacturer: GOODMAN MANUFACTURING CO., LP.

Trade/Brand name: GOODMAN, JANITROL, AMANA DISTINCTIONS, EVERREST, ONE HOUR AIR
CONDITIONING AND HEATING, ENERGI AIR

Manufacturer responsible for the rating of this system combination is GOODMAN MANUFACTURING CO., LP.

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):	46000
EER Rating (Cooling):	11.00
SEER Rating (Cooling):	13.00
Heating Capacity(Btuh) @ 47 F:	44500
Region IV HSPF Rating (Heating):	7.70
Heating Capacity(Btuh) @ 17 F:	26000

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

DISCLAIMER

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CERTIFICATE VERIFICATION

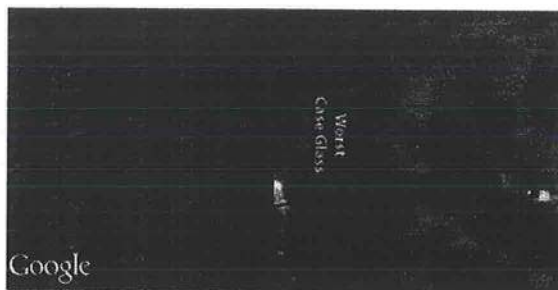
The information for the model cited on this certificate can be verified at www.ahridirectory.org, click on "Verify Certificate" link and enter the AHRI Certified Reference Number and the date on which the certificate was issued, which is listed above, and the Certificate No., which is listed below.



Air-Conditioning, Heating,
and Refrigeration Institute

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CERTIFICATE NO.: 129875209341499668



Rotate to find worst case glass:

< Rotate Rotate >

Adjust square footage of window area on this home.

E 30 N 30 S 90 W
Shading %

House Information

What is the conditioned square footage of your house?
Square feet: 1782

When was your house built?

Before 1990 Between 1990 - 2000 After 2000

How do you want insulation values displayed?

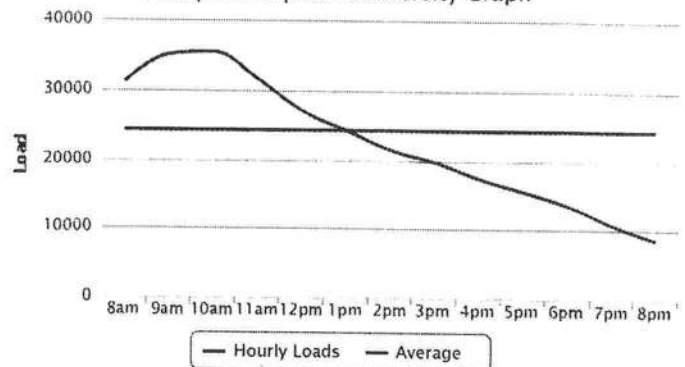
R U

Winter Electricity Rate	0.1	
Summer Electricity Rate	0.1	
Natural Gas Rate	1.2	
Propane Rate	2.5	
Oil Rate	2.3	
Summer indoor design temperature	75	+ -
Summer outdoor design temperature	93	+ -
Winter indoor design temperature	70	+ -
Winter outdoor design temperature	32	+ -
SHR	.75	
Number of Residents	2	+ -
Average Ceiling Height	9	+ -
Wall R-Value	11.11	+ -
Floor R-Value	5.00	+ -
Ceiling R-Value	18.87	+ -
Window U-Value	0.5	+ -

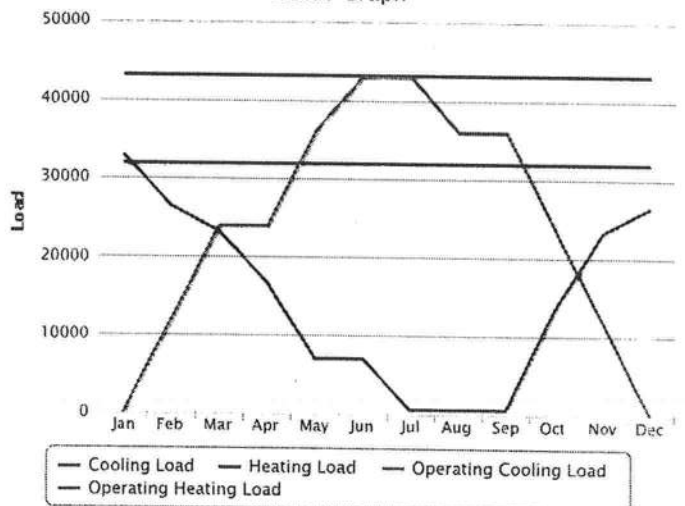
House Loads

Cooling Load: 43,139
Heating Load: 31,859

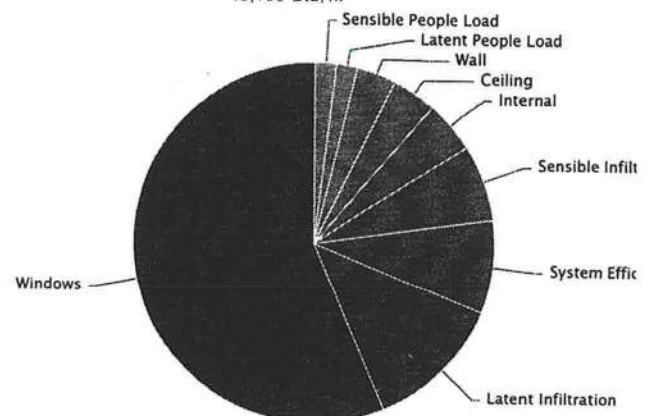
Adequate Exposure Diversity Graph



Loads Graph



Cooling Loads 43,139 btu/hr



Single Pane = 1
Double Pane = .5
Triple Pane = .3

Window SHGF

Clear = 1-.85
Low-E = .6-.4

0.85 + -

Grains of moisture difference

53 + -

Duct Loss %

10 + -

Duct Gain %

10 + -

Cooling Infiltration Rate (ACH)

0.6 + -

Heating Infiltration Rate (ACH)

0.8 + -

Winter Ventilation

0 + -

Summer Ventilation

0 + -

Floors

Customer Information:

Fill in the customer information

Name:

Leslie Johnson

Email:

Phone:

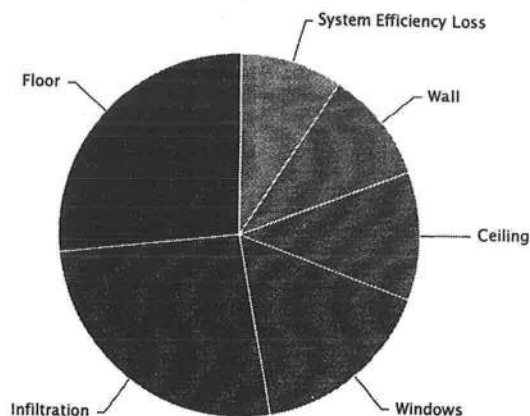
386-965-8905

Get Proposal

Thanks to Zillow.com we were able to preset these values for you. If they are not correct please change them.

Heating Loads

31,859 btu/hr



For best performance, make sure you are using the latest version of your browser:



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Download Compliance Report

Download Florida code compliance report

The Rheem DesignStar Load Calculation Program results are intended for use with Rheem Heating and Cooling systems only.

All calculations are based upon approved hvac industry standards and procedures, and comply with all local, state and federal code requirements. All computed results are Estimates. Product provided by Energy Design Systems and Idea Tree.