



Certificate of Product Ratings

AHRI Certified Reference Number: 4385129

Date: 9/12/2012

Product: Single-Package Heat Pump Air-Source

Model Number: GPH1360H41B*

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):	57500
EER Rating (Cooling):	11.00
SEER Rating (Cooling):	13.00
Heating Capacity(Btuh) @ 47 F:	54500
Region IV HSPF Rating (Heating):	7.70
Heating Capacity(Btuh) @ 17 F:	32000

* 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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CERTIFICATE VERIFICATION

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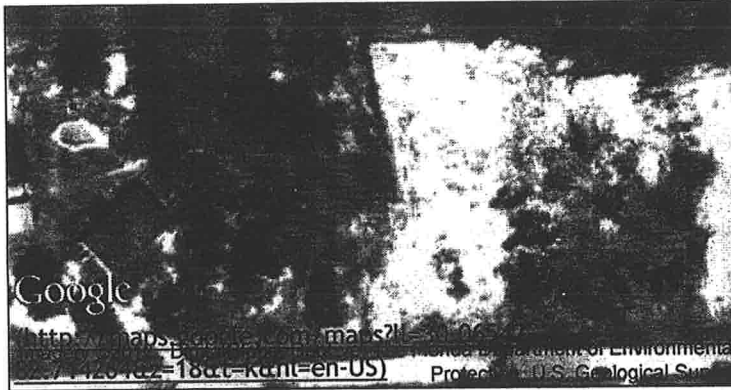
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and Refrigeration Institute

CERTIFICATE NO.: 129919451627704553

HOUSE INFORMATION



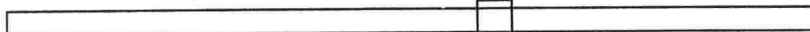
What direction of the house has the most glass?
Click the corresponding arrow next to the photo.

Adjust square footage of window area on this home.

Adjust square footage of window area: % Shading
E N S W

HOUSE INFORMATION

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



When was your house built?

How do you want insulation values displayed?

HOUSE LOAD

Cooling Load:

Heating Load:

ADEQUATE EXP

LO

Co

<input type="checkbox"/> R	<input type="checkbox"/> U
Winter Electricity Rate	<input type="text" value="0.1"/>
Summer Electricity Rate	<input type="text" value="0.1"/>
Natural Gas Rate	<input type="text" value="1.2"/>
Propane Rate	<input type="text" value="2.5"/>
Oil Rate	<input type="text" value="2.3"/>
Summer indoor design temperature	<input type="text" value="75"/> <input type="button" value="+"/> <input type="button" value="-"/>
Summer outdoor design temperature	<input type="text" value="93"/> <input type="button" value="+"/> <input type="button" value="-"/>
Winter indoor design temperature	<input type="text" value="70"/> <input type="button" value="+"/> <input type="button" value="-"/>
Winter outdoor design temperature	<input type="text" value="32"/> <input type="button" value="+"/> <input type="button" value="-"/>
SHR	<input type="text" value=".75"/>
Number of Residents	<input type="text" value="2"/> <input type="button" value="+"/> <input type="button" value="-"/>
Average Ceiling Height	<input type="text" value="9"/> <input type="button" value="+"/> <input type="button" value="-"/>
Wall R-Value	<input type="text" value="11.11"/> <input type="button" value="+"/> <input type="button" value="-"/>
Floor R-Value	<input type="text" value="5.00"/> <input type="button" value="+"/> <input type="button" value="-"/>
Ceiling R-Value	<input type="text" value="18.87"/> <input type="button" value="+"/> <input type="button" value="-"/>

Windows

He

Floor

Infiltration

Window U-Value



Single Pane = 1

Double Pane = .5

Triple Pane = .3

Window SHGF



Clear = 1-.85

Low-E = .6-.4

Grains of moisture
difference

Duct Loss %



Duct Gain %

Cooling Infiltration Rate
(ACH)Heating Infiltration Rate
(ACH)

Winter Ventilation



Summer Ventilation

**FLOORS**

CUSTOMER INFORMATION

Fill in the customer information

Name