

Certificate of Product Ratings

AHRI Certified Reference Number: 3862741

Date: 4/20/2010

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

Outdoor Unit Model Number: N4H342A(G)KE*

Indoor Unit Model Number: FXM4X42**A*

Manufacturer: TEMPSTAR

Trade/Brand name: 13 SEER N SERIES R410A HP

Manufacturer responsible for the rating of this system combination is TEMPSTAR

Rated as follows in accordance with AHRI Standard 210/240-2006 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): 41000

EER Rating (Cooling): 11.50

SEER Rating (Cooling): 14.00

Heating Capacity(Btuh) @ 47 F: 40000

Region IV HSPF Rating (Heating): 8.00

Heating Capacity(Btuh) @ 17 F: 23800

A * following a rating indicates a voluntary rerate of previously published data, unless accompanied with a WAS which indicates an involuntary rerate.

Maronda Homes Inc.
6800 Southpoint Pkwy
Suite 300
Jacksonville, FL 32216
(904) 296-1490 ph

LOT 33 TIMBERLANDS
368 SW MULBERRY DR,
LAKE CITY, FL 32024

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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

FLORIDA ENERGY EFFICIENCY CODE FOR BUILDING CONSTRUCTION

Florida Department of Business and Professional Regulation - Residential Performance Method

Project Name: BEDFORD A 12 - JACKSONVILLE

Street:

City, State, Zip: , FL ,

Owner: MARONDA HOMES

Design Location: FL, Jacksonville

Builder Name: MARONDA HOMES

Permit Office:

Permit Number:

Jurisdiction:

1 New construction or existing New (From Plans)

2 Single family or multiple family Single-family

3 Number of units, if multiple family 1

4 Number of Bedrooms 4

5 Is this a worst case? Yes

6 Conditioned floor area above grade (ft²) 2399

Conditioned floor area below grade (ft²) 0

7 Windows (238.0 sqft.) Description Area

a. U-Factor: Dbl, U=0.56 238.00 ft²

SHGC: SHGC=0.35

b. U-Factor: N/A ft²

SHGC:

c. U-Factor: N/A ft²

SHGC:

d. U-Factor: N/A ft²

SHGC:

Area Weighted Average Overhang Depth: 1.000 ft.

Area Weighted Average SHGC: 0.350

8 Floor Types (2399.0 sqft.) Insulation Area

a. Slab-On-Grade Edge Insulation R=0.0 1133.00 ft²

b. Floor Over Other Space R=1.0 1112.00 ft²

c. other (see details) R= 154.00 ft²

9. Wall Types (2192.0 sqft.) Insulation Area

a. Frame - Wood, Exterior R=13.0 1088.00 ft²

b. Concrete Block - Int Insul, Exterior R=4.1 944.00 ft²

c. Frame - Wood, Adjacent R=13.0 160.00 ft²

d. N/A R= ft²

10. Ceiling Types (1639.0 sqft.) Insulation Area

a. Under Attic (Vented) R=30.0 1287.00 ft²

b. Knee Wall (Vented) R=19.0 352.00 ft²

c. N/A R= ft²

11. Ducts R ft²

a. Sup: Attic, Ret: 2nd Floor, AH: 2nd Floor 6 240

12. Cooling systems kBtu/hr Efficiency

a. Central Unit 41.0 SEER:14.00

13. Heating systems kBtu/hr Efficiency

a. Electric Heat Pump 41.0 HSPF:8.00

14. Hot water systems

a. Electric Cap: 50 gallons

b. Conservation features EF: 0.900

None

15. Credits Pstat

Glass/Floor Area: 0.099

Total Proposed Modified Loads: 38.25

Total Standard Reference Loads: 54.22

PASS

I hereby certify that the plans and specifications covered by this calculation are in compliance with the Florida Energy Code.

Code: KENNETH WAYNE CAMPBELL JR

PREPARED BY: _____

DATE: 8/27/12

I hereby certify that this building, as designed, is in compliance with the Florida Energy Code.

Code: KENNETH WAYNE CAMPBELL JR

OWNER/AGENT: _____

DATE: 8/27/12

Review of the plans and specifications covered by this calculation indicates compliance with the Florida Energy Code. Before construction is completed this building will be inspected for compliance with Section 553.908 Florida Statutes.



BUILDING OFFICIAL: _____
DATE: _____

- Compliance requires certification by the air handler unit manufacturer that the air handler enclosure qualifies as certified factory-sealed in accordance with 403.2.2.1.1.

- Compliance requires completion of a Florida Air Barrier and Insulation Inspection Checklist

LOT 33 TIMBERLANDS
368 SW MULBERRY DR
LAKE CITY FL 32024

Maronda Homes Inc.
6800 Southpoint Pkwy
Suite 300
Jacksonville, FL 32216
(904) 296-1490 ph

PROJECT

Title: BEDFORD A 12 - JACKSON	Bedrooms: 4	Address Type: Street Address
Building Type: User	Conditioned Area: 2399	Lot #
Owner: MARONDA HOMES	Total Stories: 2	Block/SubDivision:
# of Units: 1	Worst Case: Yes	PlatBook:
Builder Name: MARONDA HOMES	Rotate Angle: 90	Street:
Permit Office:	Cross Ventilation: No	County: Columbia
Jurisdiction:	Whole House Fan: No	City, State, Zip: FL
Family Type: Single-family		
New/Existing: New (From Plans)		
Comment:		

CLIMATE

✓ Design Location	TMY Site	IECC Zone	Design Temp 97.5 %	2.5 %	Int Design Temp Winter	Summer	Heating Degree Days	Design Moisture	Daily Temp Range
FL, Jacksonville	FL_JACKSONVILLE_INT	2	32	93	70	75	1281	49	Medium

BLOCKS

Number	Name	Area	Volume
1	Block1	2399	19192

SPACES

Number	Name	Area	Volume	Kitchen	Occupants	Bedrooms	Infil ID	Finished	Cooled	Heated
1	1st Floor	1133	9064	Yes	0	0	1	Yes	Yes	Yes
2	2nd Floor	1266	10128	No	5	4	1	Yes	Yes	Yes

FLOORS

✓ #	Floor Type	Space	Perimeter	Perimeter R-Value	Area	Joist R-Value	Tile	Wood	Carpet
1	Slab-On-Grade Edge Insulatio	1st Floor	136 ft	0	1133 ft²	----	0	0.25	0.75
2	Floor over Garage	2nd Floor	----	----	154 ft²	19	0	0	1
3	Floor Over Other Space	2nd Floor	----	----	1112 ft²	1	0	0	1

ROOF

✓ #	Type	Materials	Roof Area	Gable Area	Roof Color	Solar Absor.	SA Tested	Emitt	Emitt Tested	Deck Insul.	Pitch (deg)
1	Hip	Composition shingles	1491 ft²	0 ft²	Medium	0.85	No	0.9	No	0	30.3

ATTIC

✓ #	Type	Ventilation	Vent Ratio (1 in)	Area	RBS	IRCC
1	Full attic	Vented	150	1287 ft²	N	N

CEILING

✓ #	Ceiling Type	Space	R-Value	Area	Framing Frac	Truss Type
1	Under Attic (Vented)	2nd Floor	30	1287 ft²	0.07	Wood
2	Knee Wall (Vented)	2nd Floor	19	352 ft²	0.11	Wood

WALLS

✓ #	Ornt	Adjacent To	Wall Type	Space	Cavity R-Value	Width Ft	In	Height Ft	In	Area	Sheathing R-Value	Framing Fraction	Solar Absor	Below Grade%
1	N=>E	Exterior	Concrete Block - Int Insul	1st Floor	4.1	20	0	8	0	160 ft²	0	0	0.6	0
2	E=>S	Exterior	Concrete Block - Int Insul	1st Floor	4.1	30	0	8	0	240 ft²	0	0	0.6	0
3	S=>W	Exterior	Concrete Block - Int Insul	1st Floor	4.1	40	0	8	0	320 ft²	0	0	0.6	0
4	W=>N	Exterior	Concrete Block - Int Insul	1st Floor	4.1	28	0	8	0	224 ft²	0	0	0.6	0
5	N=>E	Exterior	Frame - Wood	2nd Floor	13	33	0	8	0	264 ft²	0	0.19	0.6	0
6	E=>S	Exterior	Frame - Wood	2nd Floor	13	28	0	8	0	224 ft²	0	0.19	0.6	0
7	S=>W	Exterior	Frame - Wood	2nd Floor	13	40	0	8	0	320 ft²	0	0.19	0.6	0
8	W=>N	Exterior	Frame - Wood	2nd Floor	13	28	0	8	0	224 ft²	0	0.19	0.6	0
9	N=>E	Garage	Frame - Wood	1st Floor	13	20	0	8	0	160 ft²		0.19	0.01	0
10	N=>E	Exterior	Frame - Wood	2nd Floor	13	7		8		56 ft²		0.19	0.6	0

DOORS

✓ #	Ornt	Door Type	Space	Storms	U-Value	Width Ft	In	Height Ft	In	Area
1	N=>E	Insulated	1st Floor	None	0.16	2.998	0	6	8	20 ft²
2	N=>E	Insulated	1st Floor	None	0.16	2.998	0	6	8	16.66666

WINDOWS

Orientation shown is the entered orientation (=>) changed to Worst Case.

✓ #	Ornt	Wall ID	Frame	Panes	NFRC	U-Factor	SHGC	Area	Overhang Depth	Separation	Int Shade	Screening
1	N=>E	1	TIM	Low-E Double	Yes	0.56	0.35	30 ft²	1 ft 0 in	10 ft 0 in	1	None
2	S=>W	3	TIM	Low-E Double	Yes	0.56	0.35	9 ft²	1 ft 0 in	12 ft 0 in	1	None
3	S=>W	3	TIM	Low-E Double	Yes	0.56	0.35	40 ft²	1 ft 0 in	12 ft 0 in	1	None
4	S=>W	3	TIM	Low-E Double	Yes	0.56	0.35	20 ft²	1 ft 0 in	12 ft 0 in	1	None
5	S=>W	3	TIM	Low-E Double	Yes	0.56	0.35	20 ft²	1 ft 0 in	12 ft 0 in	1	None
6	W=>N	4	TIM	Low-E Double	Yes	0.56	0.35	15 ft²	1 ft 0 in	12 ft 0 in	1	None
7	N=>E	5	TIM	Low-E Double	Yes	0.56	0.35	30 ft²	1 ft 0 in	1 ft 0 in	1	None
8	N=>E	5	TIM	Low-E Double	Yes	0.56	0.35	8 ft²	1 ft 0 in	3 ft 0 in	1	None
9	N=>E	10	TIM	Low-E Double	Yes	0.56	0.35	15 ft²	1 ft 0 in	4 ft 0 in	1	None
10	S=>W	7	TIM	Low-E Double	Yes	0.56	0.35	15 ft²	1 ft 0 in	1 ft 0 in	1	None
11	S=>W	7	TIM	Low-E Double	Yes	0.56	0.35	6 ft²	1 ft 0 in	1 ft 0 in	Drapes/blinds	None
12	W=>N	8	TIM	Low-E Double	Yes	0.56	0.35	15 ft²	1 ft 0 in	1 ft 0 in	Drapes/blinds	None
13	W=>N	8	TIM	Low-E Double	Yes	0.56	0.35	15 ft²	1 ft 0 in	2 ft 0 in	Drapes/blinds	None

GARAGE

✓	#	Floor Area	Ceiling Area	Exposed Wall Perimeter	Avg. Wall Height	Exposed Wall Insulation
	1	440 ft²	286 ft²	42 ft	8 ft	1

INFILTRATION

#	Scope	Method	SLA	CFM 50	ELA	EqLA	ACH	ACH 50
1	Wholehouse	Best Guess	0.000300	1887.7	103.63	194.90	0.2843	5.9017

HEATING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Block	Ducts
	1	Electric Heat Pump	None	HSPF: 8	41 kBtu/hr	1	sys#1

COOLING SYSTEM

✓	#	System Type	Subtype	Efficiency	Capacity	Air Flow	SHR	Block	Ducts
	1	Central Unit	None	SEER: 14	41 kBtu/hr	1230 cfm	0.76	1	sys#1

HOT WATER SYSTEM

✓	#	System Type	SubType	Location	EF	Cap	Use	SetPnt	Conservation
	1	Electric	None	Garage	0.9	50 gal	59 gal	120 deg	None

SOLAR HOT WATER SYSTEM

✓	FSEC Cert #	Company Name	System Model #	Collector Model #	Collector Area	Storage Volume	FEF
	None	None			ft²		

DUCTS

✓	#	--- Supply ---		--- Return ---		Leakage Type	Air Handler	CFM 25	Percent Leakage	QN	RLF	HVAC # Heat Cool
	1	Attic	6	240 ft²	2nd Floor	20 ft²	Default Leakage	2nd Floor	(Default)	(Default) %		1 1

TEMPERATURES

Programmable Thermostat: Y

Ceiling Fans:

Cooling	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Heating	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec
Venting	<input checked="" type="checkbox"/> Jan	<input checked="" type="checkbox"/> Feb	<input checked="" type="checkbox"/> Mar	<input checked="" type="checkbox"/> Apr	<input checked="" type="checkbox"/> May	<input checked="" type="checkbox"/> Jun	<input checked="" type="checkbox"/> Jul	<input checked="" type="checkbox"/> Aug	<input checked="" type="checkbox"/> Sep	<input checked="" type="checkbox"/> Oct	<input checked="" type="checkbox"/> Nov	<input checked="" type="checkbox"/> Dec

Thermostat Schedule: HERS 2006 Reference

Schedule Type		Hours											
		1	2	3	4	5	6	7	8	9	10	11	12
Cooling (WD)	AM	78	78	78	78	78	78	78	78	80	80	80	80
	PM	80	80	78	78	78	78	78	78	78	78	78	78
Cooling (WEH)	AM	78	78	78	78	78	78	78	78	78	78	78	78
	PM	78	78	78	78	78	78	78	78	78	78	78	78
Heating (WD)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66
Heating (WEH)	AM	66	66	66	66	66	68	68	68	68	68	68	68
	PM	68	68	68	68	68	68	68	68	68	68	66	66

MECHANICAL VENTILATION

Type	Supply CFM	Exhaust CFM	Fan Watts	HRV	Heating System	Run Time	Cooling System
None	0	0	0	0	1 - Electric Heat Pump	0%	1 - Central Unit

Florida Code Compliance Checklist

Florida Department of Business and Professional Regulations
Residential Whole Building Performance Method

ADDRESS:

, FL,

PERMIT #:

MANDATORY REQUIREMENTS SUMMARY - See individual code sections for full details.

COMPONENT	SECTION	SUMMARY OF REQUIREMENT(S)	CHECK
Air leakage	402.4	To be caulked, gasketed, weatherstripped or otherwise sealed. Recessed lighting IC-rated as meeting ASTM E 283. Windows and doors = 0.30 cfm/sq.ft. Testing or visual inspection required. Fireplaces: gasketed doors & outdoor combustion air. Must complete envelope leakage report or visually verify Table 402.4.2.	✓
Thermostat & controls	403.1	At least one thermostat shall be provided for each separate heating and cooling system. Where forced-air furnace is primary system, programmable thermostat is required. Heat pumps with supplemental electric heat must prevent supplemental heat when compressor can meet the load.	✓
Ducts	403.2.2	All ducts, air handlers, filter boxes and building cavities which form the primary air containment passageways for air distribution systems shall be considered ducts or plenum chambers, shall be constructed and sealed in accordance with Section 503.2.7.2 of this code.	✓
	403.3.3	Building framing cavities shall not be used as supply ducts.	✓
Water heaters	403.4	Heat trap required for vertical pipe risers. Comply with efficiencies in Table 403.4.3.2. Provide switch or clearly marked circuit breaker (electric) or shutoff (gas). Circulating system pipes insulated to = R-2 + accessible manual OFF switch.	✓
Mechanical ventilation	403.5	Homes designed to operate at positive pressure or with mechanical ventilation systems shall not exceed the minimum ASHRAE 62 level. No make-up air from attics, crawlspaces, garages or outdoors adjacent to pools or spas.	✓
Swimming Pools & Spas	403.9	Pool pumps and pool pump motors with a total horsepower (HP) of = 1 HP shall have the capability of operating at two or more speeds. Spas and heated pools must have vapor-retardant covers or a liquid cover or other means proven to reduce heat loss except if 70% of heat from site-recovered energy. Off/timer switch required. Gas heaters minimum thermal efficiency=78% (82% after 4/16/13). Heat pump pool heaters minimum COP= 4.0.	N/A
Cooling/heating equipment	403.6	Sizing calculation performed & attached. Minimum efficiencies per Tables 503.2.3. Equipment efficiency verification required. Special occasion cooling or heating capacity requires separate system or variable capacity system. Electric heat >10kW must be divided into two or more stages.	✓
Ceilings/knee walls	405.2.1	R-19 space permitting.	✓

ENERGY PERFORMANCE LEVEL (EPL) DISPLAY CARD

ESTIMATED ENERGY PERFORMANCE INDEX* = 71

The lower the EnergyPerformance Index, the more efficient the home.

, , FL,

1 New construction or existing	New (From Plans)	9. Wall Types	Insulation	Area
2 Single family or multiple family	Single-family	a. Frame - Wood, Exterior	R=13.0	1088.00 ft ²
3 Number of units, if multiple family	1	b. Concrete Block - Int Insul, Exterior	R=4.1	944.00 ft ²
4 Number of Bedrooms	4	c. Frame - Wood, Adjacent	R=13.0	160.00 ft ²
5 Is this a worst case?	Yes	d. N/A	R=	ft ²
6 Conditioned floor area (ft ²)	2399	10. Ceiling Types	Insulation	Area
7 Windows**	Description	a. Under Attic (Vented)	R=30.0	1287.00 ft ²
a. U-Factor:	DbI, U=0.56	b. Knee Wall (Vented)	R=19.0	352.00 ft ²
SHGC:	SHGC=0.35	c. N/A	R=	ft ²
b. U-Factor:	N/A	11. Ducts	R	ft ²
SHGC:		a. Sup: Attic, Ret: 2nd Floor, AH: 2nd Floor	6	240
c. U-Factor:	N/A	12. Cooling systems	kBtu/hr	Efficiency
SHGC:		a. Central Unit	41.0	SEER:14.00
d. U-Factor:	N/A	13. Heating systems	kBtu/hr	Efficiency
SHGC:		a. Electric Heat Pump	41.0	HSPF:8.00
Area Weighted Average Overhang Depth:	1.000 ft.	14. Hot water systems		
Area Weighted Average SHGC:	0.350	a. Electric		Cap: 50 gallons
8 Floor Types	Insulation			EF: 0.9
a. Slab-On-Grade Edge Insulation	R=0.0	b. Conservation features		
b. Floor Over Other Space	R=1.0	None		
c. other (see details)	R=	15. Credits		Pstat
	Area			
	1133.00 ft ²			
	1112.00 ft ²			
	154.00 ft ²			

I certify that this home has complied with the Florida Energy Efficiency Code for Building Construction through the above energy saving features which will be installed (or exceeded) on this home before final inspection. Otherwise, a new EPL Display Card will be completed based on installed Code compliant features.

Builder Signature: KENINETH WAYNE CAMPBELL JR

Date: 1/27/12

Address of New Home: 3608 SW MULBERRY DR City/FL Zip: LAKE CITY FL 32024
LOT 33 TIMBERLANDS



*Note: This is not a Building Energy Rating. If your Index is below 70, your home may qualify for energy efficient mortgage (EEM) incentives if you obtain a Florida EnergyGauge Rating. Contact the EnergyGauge Hotline at (321) 638-1492 or see the EnergyGauge web site at energygauge.com for information and a list of certified Raters. For information about the Florida Building Code, Energy Conservation, contact the Florida Building Commission's support staff.

**Label required by Section 303.1.3 of the Florida Building Code, Energy Conservation, if not DEFAULT.

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Suite 300
Jacksonville, FL 32216
(904) 296-1490 ph
EnergyGauge® USA - FlaRes2010 Section 405.4.1 Compliant Software

Project Information

For: BEDFORD

Notes:

Design Information

Weather: Jacksonville Intl AP, FL, US

Winter Design Conditions

Outside db 32 °F
Inside db 70 °F
Design TD 38 °F

Summer Design Conditions

Outside db 93 °F
Inside db 75 °F
Design TD 18 °F
Daily range M
Relative humidity 50 %
Moisture difference 51 gr/lb

Heating Summary

Structure 36526 Btuh
Ducts 5272 Btuh
Central vent (0 cfm) 0 Btuh
Humidification 0 Btuh
Piping 0 Btuh
Equipment load 41798 Btuh

Sensible Cooling Equipment Load Sizing

Structure 26147 Btuh
Ducts 7699 Btuh
Central vent (0 cfm) 0 Btuh
Blower 0 Btuh

Infiltration

Method Simplified
Construction quality Average
Fireplaces 0

	Heating	Cooling
Area (ft²)	2399	2399
Volume (ft³)	19072	19072
Air changes/hour	0.32	0.16
Equiv. AVF (cfm)	102	51

Use manufacturer's data n
Rate/swing multiplier 0.98
Equipment sensible load 33033 Btuh

Latent Cooling Equipment Load Sizing

Structure 3573 Btuh
Ducts 1721 Btuh
Central vent (0 cfm) 0 Btuh
Equipment latent load 5294 Btuh

Equipment total load 38327 Btuh
Req. total capacity at 0.76 SHR 3.6 ton

Heating Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Model N4H342
ARI ref no.
Efficiency 8 HSPF
Heating input 0 Btuh @ 47°F
Heating output 0 °F
Temperature rise 0 °F
Actual air flow 1316 cfm
Air flow factor 0.031 cfm/Btuh
Static pressure 0.60 in H2O
Space thermostat

Cooling Equipment Summary

Make TEMPSTAR
Trade HEAT PUMP
Cond N4H342
Coil FXM4X42
ARI ref no.
Efficiency 12.0 EER, 14 SEER
Sensible cooling 31160 Btuh
Latent cooling 9840 Btuh
Total cooling 41000 Btuh
Actual air flow 1316 cfm
Air flow factor 0.039 cfm/Btuh
Static pressure 0.60 in H2O
Load sensible heat ratio 0.86

Bold/italic values have been manually overridden

Printout certified by ACCA to meet all requirements of Manual J 8th Ed.

Project Information

For: BEDFORD

Design Conditions

Location:

Jacksonville Intl AP, FL, US
Elevation: 30 ft
Latitude: 31°N

Outdoor:

Dry bulb (°F)
Daily range (°F)
Wet bulb (°F)
Wind speed (mph)

Heating

32
-
-
15.0

Cooling

93
18 (M)
77
7.5

Indoor:

Indoor temperature (°F)
Design TD (°F)
Relative humidity (%)
Moisture difference (gr/lb)

Heating

70
38
30
11.5

Cooling

75
18
50
51.3

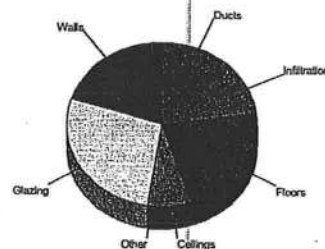
Infiltration:

Method
Construction quality
Fireplaces

Simplified
Average
0

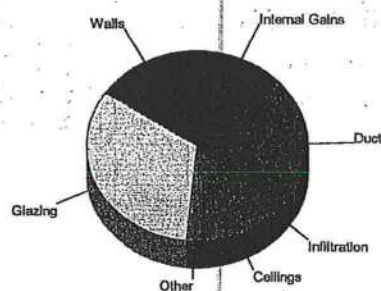
Heating

Component	Btuh/ft²	Btuh	% of load
Walls	4.1	8390	20.1
Glazing	48.3	11486	27.5
Doors	14.8	563	1.3
Ceilings	1.9	2506	6.0
Floors	11.9	9333	22.3
Infiltration	1.8	4247	10.2
Ducts		5272	12.6
Piping		0	0
Humidification		0	0
Ventilation		0	0
Adjustments		0	0
Total		41798	100.0



Cooling

Component	Btuh/ft²	Btuh	% of load
Walls	2.6	5322	15.7
Glazing	46.5	11075	32.7
Doors	11.8	448	1.3
Ceilings	2.6	3542	10.5
Floors	0.4	308	0.9
Infiltration	0.4	984	2.9
Ducts		7699	22.7
Ventilation		0	0
Internal gains		4470	13.2
Blower		0	0
Adjustments		0	0
Total		33846	100.0



Latent Cooling Load = 5294 Btuh
Overall U-value = 0.191 Btuh/ft²·°F

Data entries checked.