

Manufacturer's address

**COMFORT HEATING**

This heating load form has been designed to conform with the requirements of the local or jurisdictional energy conservation and safety standards for all equipment other than gas water heaters. See note on boilers.  
 Heating equipment manufacturer and model (see list at end).  
 The above heating equipment has the capacity to maintain an average 70° F temperature in the space of outdoor temperature of \_\_\_\_\_ ° F.  
 To maintain desired operating accuracy, and to conserve energy, it is recommended that the home be installed where the outdoor winter design temperature is 10 degrees or higher than the degree Fahrenheit.

The above information has been obtained assuming a maximum wind velocity of 15 mph at standard atmospheric pressure.

**COMFORT COOLING**

An conditioner provided at factory (Alternate 1)  
 An conditioner manufacturer and model (see list at end).  
 Condition capacity \_\_\_\_\_ B.T.U./hour in accordance with the appropriate air conditioning and refrigeration industry standards.  
 The central air conditioning system provided in this home has been sized ensuring an operation of the least duct work of the home being \_\_\_\_\_ On the basis the system is designed to maintain an indoor temperature of 75° F when outdoor temperature is \_\_\_\_\_ ° F any both and \_\_\_\_\_ ° F both.

The temperature to which this home can be cooled will change depending upon the amount of exposure of the windows of this home to the sun's outdoor heat. Therefore, the home's heat gains will vary dependent upon its orientation to the sun and any permanent shading provided. Information concerning the calculation of cooling loads at various locations, window exposures and shading are provided in Chapter 22 of the 1989 edition of the ASHRAE Handbook of Fundamentals.

Information necessary to calculate cooling loads at various locations and orientations is provided in the special comfort cooling information provided with this form.

An conditioner not provided at factory (Alternate 2)  
 The air distribution system of this home is suitable for the installation of central air conditioning.  
 The supply air distribution system installed in this home is sized for a manufactured home central air conditioning system of up to \_\_\_\_\_ B.T.U./hour total capacity which are specified in accordance with the appropriate air conditioning and refrigeration industry standards, when the air velocities of such air conditioners are rated at 5.0 ft/min using minimum static pressure or greater for the cooling air conditioned in the manufactured home supply air duct system.  
 Information necessary to calculate cooling loads at various locations and orientations is provided in the special comfort cooling information provided with the manufacturer's form.

An conditioning not recommended (Alternate 3)  
 The air distribution system of this home has not been designed in anticipation of its use with a central air conditioning system.

To determine the required capacity of equipment to cool a home effectively and economically a cooling load (heat gain) calculation is required. The cooling load is dependent on the materials used and the structure of the home. Certain air conditioners operate most efficiently and provide the greatest control when their capacity closely approximates the calculated cooling load. Each home air conditioner should be sized in accordance with Chapter 22 of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE) Handbook of Fundamentals 1989 edition (see the section and equations as listed).

**INFORMATION PROVIDED BY THE MANUFACTURER NEEDED TO CALCULATE DESIGNABLE HEAT GAIN**

- Walls (without windows and doors)  \_\_\_\_\_
- Ceilings and roofs of light color  \_\_\_\_\_
- Ceilings and roofs of dark color  \_\_\_\_\_
- Floors  \_\_\_\_\_
- Air ducts in floor  \_\_\_\_\_
- Air ducts in ceiling  \_\_\_\_\_
- Air ducts installed outside the home  \_\_\_\_\_
- The following are the duct areas in this home:
  - Air ducts in floor  \_\_\_\_\_ ft<sup>2</sup>
  - Air ducts in ceiling  \_\_\_\_\_ ft<sup>2</sup>
  - Air ducts outside the home  \_\_\_\_\_ ft<sup>2</sup>

Plant Number \_\_\_\_\_

Date of Manufacture \_\_\_\_\_ HUD Label No. (a) \_\_\_\_\_

Manufacturer's Serial Number and Model Unit Designation \_\_\_\_\_

Design Approval by (D.A.F.F.A.) \_\_\_\_\_

This manufactured home is designed to comply with the federal manufactured home construction and safety standards in force at time of manufacture. (For additional information, consult owner's manual.)

The factory installed equipment includes:

Equipment	Manufacturer	Model Designation
For heating	_____	_____
For air cooling	_____	_____
For cooking	_____	_____
Refrigerator	_____	_____
Water Heater	_____	_____
Washer	_____	_____
Clothes Dryer	_____	_____
Dishwasher	_____	_____
Garbage Disposal	_____	_____
Fireplace	_____	_____

**HOME CONSTRUCTED FOR**  Zone I  Zone II  Zone III

This home has not been designed for the higher wind pressure and anchoring provisions required for hurricane areas and should not be located within 1000' of the coastline in either Zone I and II, unless the home and its anchoring and foundation system have been designed for the increased requirements specified for Exposure C in Appendix 1-A.

This home has \_\_\_\_\_ has not \_\_\_\_\_ been equipped with storm shutters or other protective coverings for windows and exterior door openings. For homes designed to be located in Wind Zones I and II, which have not been provided with shutters or equivalent covering systems, it is strongly recommended that the home be made ready to be equipped with these devices in accordance with the method recommended at manufacturer's printed instructions.

**BASIC WIND ZONE MAP**



**DESIGN ROOF LOAD ZONE MAP** North: 40 PSF South: 20 PSF Middle: 30 PSF Other: PSF



**HUD VALUE ZONE MAP**



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