

Manufacture  
Address:

LIBERTY HOMES INC.  
P.O.Box 100  
SHERIDAN, OREGON 97378

# DATA PLATE

COMPLIANCE CERTIFICATE

Date of Manufacture <u>1-7-92</u>	Plant Number <u>309</u>	HUD No. <u>ORE-231966&amp;231967</u>
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Manufacturer's Serial Number and Model Unit Designation

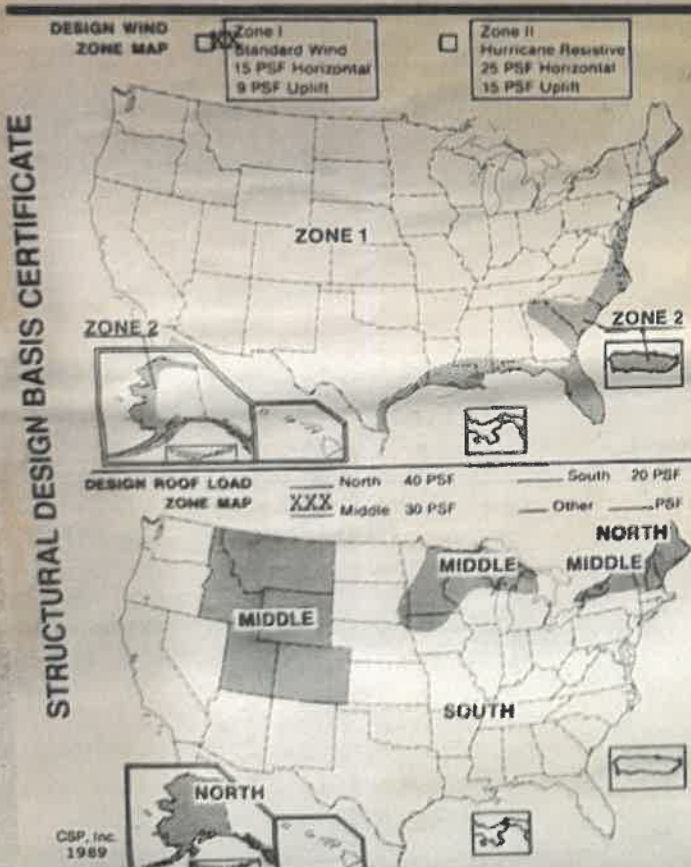
09L-26284X U      HL-286401

Design Approval by (D.A.P.I.A.)  
N.T.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	<u>Intertherm FEH210-00280</u>	<u>FEH-020-HA</u>
For air cooling		
For cooking	<u>Westinghouse JF23701673</u>	<u>KF4006007</u>
Refrigerator	<u>Westinghouse BA23709714</u>	<u>ATN152PK1</u>
Water heater	<u>Intertherm 1092B22409</u>	<u>HSE30F-240S</u>
Washer		
Clothes Dryer		
Dishwasher	<u>Westinghouse TH23400652</u>	<u>SU220NXP</u>
Garbage Disposal		
Fireplace		

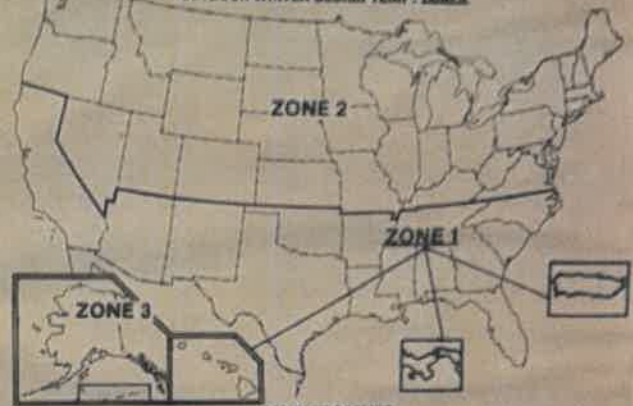


HEATING AND COOLING DESIGN BASIS CERTIFICATE

### COMFORT HEATING

This manufactured home has been thermally insulated to conform with the requirements of the federal manufactured home construction and safety standards for all locations within climatic zone II.  
Heating equipment manufacturer and model (see list at left).  
The above heating equipment has the capacity to maintain an average 70° F temperature in this home at outdoor temperatures of -45° F.  
To maximize furnace operating economy, and to conserve energy, it is recommended that this home be installed where the outdoor winter design temperature (97° F) is not higher than -16° F.  
The above information has been calculated assuming a maximum wind velocity of 15 mph at standard atmospheric pressure.

### OUTDOOR WINTER DESIGN TEMP. ZONES



### COMFORT COOLING

Air conditioner provided at factory (Alternate I)  
Air conditioner manufacturer and model (see list at left).  
Certified capacity - \_\_\_\_\_ B.T.U./hour in accordance with the appropriate air conditioning and refrigeration institute standards.  
The central air conditioning system provided in this home has been sized assuming an orientation of the front (hitch end) of the home facing \_\_\_\_\_. On this basis the system is designed to maintain an indoor temperature of 75° F when outdoor temperatures are \_\_\_\_\_° F dry bulb and \_\_\_\_\_° F wet bulb.

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 radiant 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 shadings are provided in Chapter 22 of the 1981 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 manufactured home.

Air conditioner not provided at factory (Alternate II)  
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 manufactured home central air conditioning system of up to 66,000 B.T.U./hr. rated capacity which are certified in accordance with the appropriate air conditioning and refrigeration institute standards, when the air circulators of such air conditioners are rated at 0.3 inch water column static pressure or greater for the cooling air delivered to 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 this manufactured home.

To determine the required capacity of equipment to cool a home efficiently and economically, a cooling load (heat gain) calculation is required. The cooling load is dependent on the orientation, location and the structure of the home. Central air conditioners operate most efficiently and provide the greatest comfort when their capacity closely approximates the calculated cooling load. Each home's 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, once the location and orientation are known.

### INFORMATION PROVIDED BY THE MANUFACTURER NECESSARY TO CALCULATE SENSIBLE HEAT GAIN

Walls (without windows and doors)	U-0.066
Ceilings and roofs of light color	U-0.043
Ceilings and roofs of dark color	U-0.037
Floors	U-0.624
Air ducts in floor	U-
Air ducts in ceiling	U-
Air ducts installed outside the home	U-

The following are the duct areas in this home:

Air ducts in floor	sq. ft.
Air ducts in ceiling	sq. ft.
Air ducts outside the home	sq. ft.