

BRIGADIER HOMES OF NORTH CAROLINA, INC.
POST OFFICE BOX 1007
NASHVILLE, NC 27856

Plant Number

Date of Manufacture HUD Label No.(s)
10-13-95 505110/505111

Manufacturer's Serial Number and Model Unit Designation

SN #B-41619 A/B MODEL # 44J3BR PLAN # 406

Design Approval by (D.A.P.I.A.)

NTA

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:

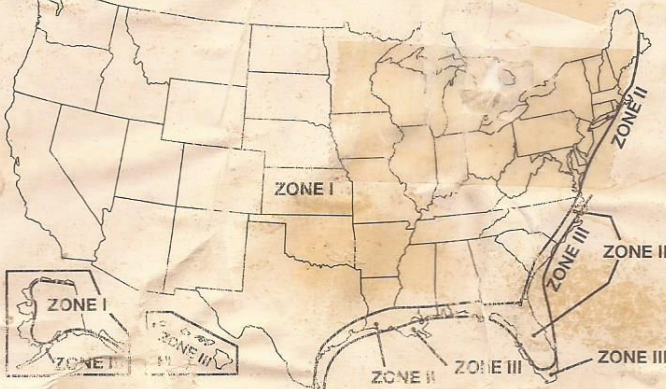
Equipment	Manufacturer	Model Designation
For heating	COLEMAN	EB12B
For air cooling		
For cooking	BROWN	WEM211U
Refrigerator	GE	TEX16SAYBLWH
Water Heater	STATE	SCI401HMS7NC
Washer		
Clothes Dryer		
Dishwasher	GE	GSP659X68WB
Garbage Disposal		
Fireplace		
SMOKE DETECTOR	LIFESAVER	1235

HOME CONSTRUCTED FOR

This home has not been designed for higher wind pressure and anchoring provisions required for ocean/coastal areas and should not be located within 1500' of the shoreline in Wind Zones II and III, unless the home and its anchoring and foundation system have been designed for the increased requirements specified for Exposure D in ANSI/ASCE 7-88.

This home has ☒ has not ☐ been equipped with storm shutters or protective coverings for windows and exterior door openings. For homes designed to be located in Wind Zones II and III, which have not been provided with shutters or equivalent covering devices, it is strongly recommended that the home be made ready to be equipped with these devices in accordance with the instructions recommended in manufacturers printed instructions.

BASIC WIND ZONE MAP



DESIGN ROOF LOAD ZONE MAP

North 40 PSF XX South 20 PSF
Middle 30 PSF Other PSF



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 U/O value zone II. (See map at bottom)

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 -34° F.

To maximize fuel or operating economy, and to conserve energy, it is recommended that this

home be installed where the outdoor winter design temperature is not higher than

-3 degrees Fahrenheit.

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

COMFORT COOLING

☐ Air conditioner provided at factory (Alternate I)

Air conditioner manufacturer and model (See list at left)

Certified capacity (B.T.U./hr.)

Air conditioning and refrigeration institute standards. The central air conditioning system provided in this home has been sized, assuming an

orientation of the front (facing end) of the home, to maintain an indoor temperature of 75° F when outdoor

temperatures are 90° F dry bulb.

The temperature to which this home can be cooled depends upon the amount of exposure of the windows of the home. Therefore, the home's heat gains will vary depending upon its orientation 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 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 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 a manufactured home

central air conditioning system of up to 43,300 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.

☐ Air conditioning not recommended (Alternate III)

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 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 1989 edition, once the location and orientation are known.

INFORMATION PROVIDED BY THE MANUFACTURER
NECESSARY TO CALCULATE SENSIBLE HEAT GAIN

Walls (without windows and doors)	0.0918
Ceilings and roofs of light color	0.0000
Ceilings and roofs of dark color	0.0360
Floors	0.0492
Air ducts in floor	0.0549
Air ducts in ceiling	0.0000
Air ducts installed outside the home	0.2262

The following are the duct areas in this home:

Air ducts in floor	62 sq. ft.
Air ducts in ceiling	sq. ft.
Air ducts outside the home	10.3 (19LF) sq. ft.

U/O VALUE ZONE MAP

