

**COMMODORE HOMES OF PA**  
 P. O. BOX 349  
 CLARION, PA 16214

Manufacturer Address  
 FLOORS R-11 3.5"  
 WALLS R11 3.5"  
 ROOF R-30 9.5"

Date of Manufacture 5/12/92  
 HUD No. RAD 634883 & RAD 634884

Plant Number CLA  
 Manufacturer's Serial Number and Model Unit Designation  
 CQ24047AB EE014

Design Approval by (D.A.P.T.A.)  
 RADCO

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	MILLER	OCMF 80 PG-DIN
For air cooling	GE	JGBSISGERAD
Refrigerator	GE	TBX 16 SP GLAD
Water heater	INTERTHERM	HSE 40 F 240
Washer		
Clothes Dryer		
Dishwasher	GE	GSD 840P 40
Garbage Disposal		
Fireplace	MARCO	793410

COMPLIANCE CERTIFICATE

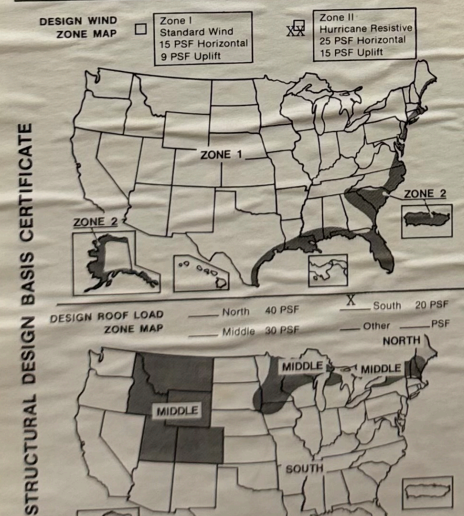
**COMFORT HEATING**  
 This manufactured home has been thermally insulated to conform with the requirements of the federal manufactured home construction and safety standards for all locations within climatic zone II.  
 Heating equipment manufacturer and model (see list at left).  
 This home heating equipment has the capacity to maintain an average 70° F temperature in this home at outdoor temperatures of \_\_\_\_\_ 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%ile) is not higher than \_\_\_\_\_ 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./hour in accordance with the appropriate air conditioning and refrigeration institute standards.  
 The central air conditioning system provided in this home has been sized assuring 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 1991 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 50,633 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.

HEATING AND COOLING DESIGN BASIS CERTIFICATE



STRUCTURAL DESIGN BASIS CERTIFICATE

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

Walls (without windows and doors)	U	.0933
Ceilings and roofs of light color	U	.0852
Ceilings and roofs of dark color	U	.0764
Floors	U	.2188
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:		371.30 sq. ft.
Air ducts in floor		sq. ft.
Air ducts in ceiling		sq. ft.
Air ducts outside the home		sq. ft.

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 and provided 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.