



## Builders Challenge

Recognizing Energy Leadership in Homebuilding

## High Performance Builder Spotlight

# Palm Harbor Homes

2011 International Builders' Show

Founded in 1977, Palm Harbor Homes (Corporate) is based in Addison, Texas, and is one of the nation's largest marketers of factory-built homes, with nine controlled manufacturing facilities. Palm Harbor Homes has worked with the U.S. Department of Energy for over 20 years in providing energy efficient and sustainable manufactured and modular homes.

### HOT-HUMID CLIMATE



## BUILDER PROFILE

**Builder:** Palm Harbor Homes (Plant City, FL, is the factory that manufactured the showcased home)

**Founded:** 1977

**Employees:** 2,900

**Square Footage:** 500 sq. ft and up

**Price Range:** \$39,000 and up



## Cabana Statistics

**529 square feet, 1 bedroom, 1 bath**

### Performance Features & Certifications Achieved

- Expected to meet Builders Challenge standards with an EnergySmart Home Scale<sup>SM</sup> of 59
- FGBC Certified Silver application pending

### Thermal Shell

- ENERGY STAR<sup>®</sup> double pane, Low E vinyl frame windows and doors (U=0.30, SHGC=0.28), manufactured in Florida
- R-27 walls, R-11 floors, R-30 ceilings

### Heating, Cooling & Water Heating

- 17.5 SEER /9 HSPF variable refrigerant, ductless heat pump
- Programmable thermostat
- Tankless gas water heater

### Efficient Appliances & Lighting

- ENERGY STAR<sup>®</sup> appliances
- Extensive use of compact fluorescent and LED lighting

### Comfort & Indoor Environmental Quality

- VOC source control including low VOC paint
- Low maintenance, healthy flooring
- Formaldehyde-free insulation

### Other Sustainable Features

- Low flow faucets and dual flush toilets
- Compact, affordable design that can accompany a home on an existing lot
- Resource efficient modular construction minimizes construction waste
- Built for 150 mph wind loads

**Showcasing High Performance Construction at the International Builders' Show**

BA-PIRC partner Palm Harbor Homes has again teamed up with a multitude of product sponsors to manufacture high performance show homes that have been displayed at the International Builders Show for six straight years. Palm Harbor Homes built the first Builders Challenge qualified home that was unveiled at the IBS 2008.

Palm Harbor's systems built homes are built for the highest efficiency in design, energy consumption and precision construction to save money and to save the planet. Building homes in environmentally-controlled building centers creates 40% less construction waste than traditional site built methods. Palm Harbor Homes has won numerous awards and was the EPA's 2007 ENERGY STAR® Partner of the Year.

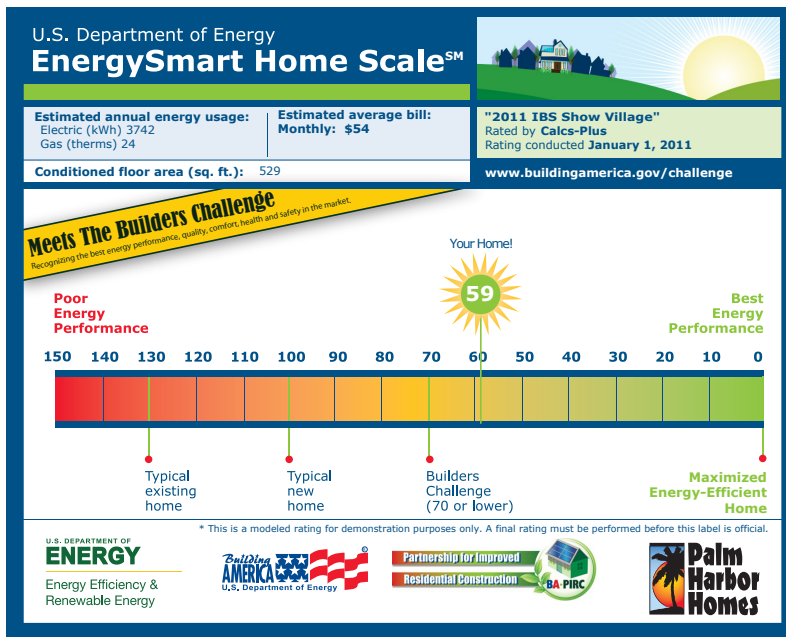


Photo courtesy of Palm Harbor Homes

The La Linda - 2010 IBS Show Village Home built by Palm Harbor Homes

**US Department of Energy Builders Challenge**

Homes that qualify for the Builders Challenge must achieve a 70 or less on the EnergySmart Home Scale<sup>SM</sup> (E-Scale) which is based on the Home Energy Rating System (HERS) Index ([www.natresnet.org](http://www.natresnet.org)). Homes must also meet Quality Criteria for building durability, indoor air quality, environmental stewardship, and occupant health, safety, and comfort. The E-Scale allows homebuyers to understand-at a glance-how the energy performance of a particular home compares with others.



To learn more about the Builders Challenge and find tools to help market your homes visit [www.buildingamerica.gov/challenge](http://www.buildingamerica.gov/challenge)

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