

Project: *Saugus Home*

Location: *Saugus, MA*



Challenge:

To install a system that could operate in a Coastal Massachusetts environment that would provide adequate heating and cooling without the use of fossil fuel, and do it efficiently.

The homeowner had two fossil fuel boilers that were old and inefficient. The boilers were producing hot water for space heating and domestic hot water production at a very expensive cost. In addition, their air conditioning system was old (25 years) and needed to be replaced. The Daikin Altherma solution provided space heating and cooling using a hydro air concept with an air handler in the attic connected to all new ductwork. In addition, they added a fan convector in the bonus room to provide much needed heat and air conditioning. A Daikin Altherma 80 gallon tank was added for domestic hot water and solar panels were installed to reduce energy consumption and gain the 30% tax credit.

The Solution:

The Daikin Altherma system provides heating, cooling and domestic hot water - all electrically with an expected savings of 25-35% annually versus fuel oil or propane...even at 0.16/KWH.

Project information

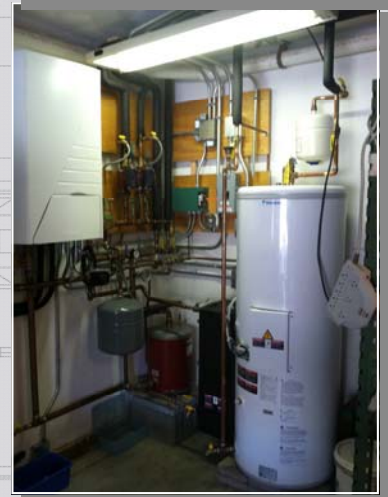
Contractor: Janusz "John" Czajkowski
PJ Mechanical LLC
Weymouth, MA

Distributor: Allan Tate, Account Manager
Tom Terrazzano, Sales Rep.
F.W.Webb Company
Woburn, MA

End User: Manual & Anna Facada
Homeowner

Solar Distributor: Patrick Clausen
Bryant Northeast
Avon, MA

Solar Rep: Thomas J. Fullerton III
Nicholas Toman
Viessmann Manufacturing
Company Inc.



Daikin AC Equipment

- 1 (Model # ERLQ054BAVJU) Outdoor Unit
- 1 (Model # EKHBX054BA6VJU) Hydrobox Unit
- 1 (Model # EKHS080BA3VJU) Hot Water Tank
- 1 (Model # EKSOLHWBAVJU) Solar Pump Kit