



Approved Solar Energy System

Approval Date: October 2006

Revision Date: April 2010

FSEC# S9191

DISTRIBUTOR

Alternate Energy Technologies, LLC
1057 N. Ellis Road, Unit 4
Jacksonville, Florida 32254

SYSTEM

DX-80-40/42

This system was evaluated by the Florida Solar Energy Center (FSEC) in accordance with the Florida Standards Program for Solar Domestic Water and Pool Heating Systems (FSEC Standard 104-05) and was found to meet the minimum standards established by FSEC.

	North	Central	South
The calculated Florida Energy Factors for this system are:	1.9	2.0	2.0

DESCRIPTION

Collector Manufacturer	Model Number	Units	Total Rating (Btu)
1. Alternate Energy Technologies	AE-40	1	34,400
2. Alternate Energy Technologies	MSC-21	2	34,800
3. Alternate Energy Technologies	AE-21	2	35,200
4.			

Tank Manufacturer	Model Number	Capacity (gal)	Type: Indirect
1. American Water Heater	SE62-80H-045S	80	
2.			
3.			
4.			

Pump Manufacturer	Model Number	Power Draw (Watts)	Rated Power
1. Taco, Inc.	009-F5K	160	1/8 H.P.
2. Taco, Inc.	003-ST4	50	1/40 H.P.
3. Taco, Inc.	009VT	Variable	1/6 H.P.
4.			

Controller Manufacturer	Model Number	Type: Differential temperature
1. Independent Energy	GL-30-LCO	
2. Taco, Inc.	009-VTF5K	
3.		

Freeze Protection

1. Drainback
- 2.

Other Major Components

1. Heat Exchanger – Alternate Energy Technologies model DB-10-10X
- 2.

