



Approved Solar Energy System

Approval Date: July 2003
Revision Date: April 2010

FSEC# S9145

DISTRIBUTOR

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

SYSTEM

DB-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:	2.1	2.2	2.2

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. Rheem Mfg.	81V-80-HE-1	80	
2.			
3.			
4.			

Pump Manufacturer	Model Number	Power Draw (Watts)	Rated Power
1. Taco, Inc.	CP-009BF5-J	160	1/8 H.P.
2. Taco, Inc.	009VT	Variable	1/6 H.P.
3.			
4.			

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

Freeze Protection
1. Drainback
2.

Other Major Components
1.
2.

