



**CERTIFIED SOLAR THERMAL SYSTEM**

SUPPLIER:  
**Alternate Energy Technologies**  
 1345 Energy Cove Court  
 Green Cove Springs, FL 32043 USA  
 www.aetsolar.com

MODEL: DB-80-52  
 THERMAL SYSTEM TYPE: Pumped, Indirect  
 CERTIFICATION #: S9142  
 Original Certification: April 01, 2010  
 Expiration Date: April 01, 2030

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 104-10) and was found to meet the minimum standards established by FSEC.

The calculated Florida Energy Factors (FEF) for this system are:		
FEF North (FEF <sub>N</sub> )	FEF Central (FEF <sub>C</sub> )	FEF South (FEF <sub>S</sub> )
2.50	3.20	3.40

Option	Collector Panel Manufacturer	Collector Panel Certification Number	Collector Panel Model Number	Quantity	Total Panel area	Total Panel area
1	Alternate Energy Technologies	00088N	AE-26	2	4.71 (m <sup>2</sup> )	50.72 (ft <sup>2</sup> )

Tank Manufacturer	Model	Capacity	Type	Equivalent Tank may be substituted
Rheem	81V80HE-1	303 liter	Solar	NO

Pump Manufacturer	Model Number	Power Draw	Type
TACO	CP-009BF5-J	150 W	Centrifugal
Laing	SM-303-B	33 W	Centrifugal

Controller Manufacturer	Model Number	Type
Taco, Inc.	009-VTFsk	Differential
Independent Energy	GL-30	Differential

Freeze Protection 1: Drainback
Freeze Protection 2:

**REMARKS:**

*Joseph Walters*  
 Technical Director



# Missing System Diagram Image

If you need System diagram image please contact FSEC  
at [thermal@fsec.ucf.edu](mailto:thermal@fsec.ucf.edu).

