



CERTIFIED SOLAR THERMAL SYSTEM

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

MODEL: DB-80-40/42
 THERMAL SYSTEM Pumped, Indirect
 TYPE:
 CERTIFICATION #: S9145
 Original April 01, 2010
 Certification:
 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 _N)	FEF Central (FEF _C)	FEF South (FEF _S)
2.10	3.60	3.70

Option	Collector Panel Manufacturer	Collector Panel Certification Number	Collector Panel Model Number	Quantity	Total Panel area	Total Panel area
1	Alternate Energy Technologies	00213N	MSC-21	2	4.00 (m ²)	43 (ft ²)
	Alternate Energy Technologies	00081N	AE-21	2	3.86 (m ²)	41.54 (ft ²)
	Alternate Energy Technologies	00090N	AE-40	1	3.70 (m ²)	39.79 (ft ²)

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	009VT		Centrifugal
TACO	CP-009BF5-J	150 W	Centrifugal

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

