



CERTIFIED SOLAR THERMAL SYSTEM

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

MODEL: DX-50-32
 THERMAL SYSTEM TYPE: Pumped, Indirect
 CERTIFICATION #: S00236B
 Original Certification: January 14, 2013
 Expiration Date: January 14, 2033

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	2.50	2.60

Option	Collector Panel Manufacturer	Collector Panel Certification Number	Collector Panel Model Number	Quantity	Total Panel area	Total Panel area
1	Alternate Energy Technologies	00214N	MSC-32	1	3.35 (m ²)	36.05 (ft ²)
	Alternate Energy Technologies	00089N	AE-32	1	2.96 (m ²)	31.91 (ft ²)

Tank Manufacturer	Model	Capacity	Type	Equivalent Tank may be substituted
Generic UL listed electric water heater	Generic189	189 liter	Solar	YES
AET	DB-10-10XSS		Drainback	YES

Pump Manufacturer	Model Number	Power Draw	Type
TACO	009VT		Centrifugal
TACO	003-ST4	40 W	Centrifugal
Grundfos	UP 15-100F	135 W	Centrifugal
TACO	009-F5K	160 W	Centrifugal
Grundfos	UP15-10SU7P	25 W	Centrifugal

Controller Manufacturer	Model Number	Type
Alternate Energy Technologies	DTC-ES-1	Differential
Independent Energy	GL-30-LCO	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.

