


<b>SOLAR COLLECTOR CERTIFICATION AND RATING</b>   <b>SRCC OG-100</b>	<b>CERTIFIED SOLAR COLLECTOR</b>  <b>SUPPLIER:</b> Heat Transfer Products 120 Braley Road East Freetown, MA 02717  <b>MODEL:</b> FP-26SC  <b>COLLECTOR TYPE:</b> Glazed Flat-Plate  <b>CERTIFICATION#:</b> 2009039C
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<b>COLLECTOR THERMAL PERFORMANCE RATING</b>							
Megajoules Per Panel Per Day				Thousands of BTU Per Panel Per Day			
CATEGORY	CLEAR DAY	MILDLY CLOUDY	CLOUDY DAY	CATEGORY	CLEAR DAY	MILDLY CLOUDY	CLOUDY DAY
A (-5 °C)	34.9	26.4	17.9	A (-9 °F)	33.1	25.0	16.9
B (5 °C)	31.7	23.2	14.7	B (9 °F)	30.1	22.0	13.9
C (20 °C)	26.6	18.2	9.9	C (36 °F)	25.2	17.3	9.4
D (50 °C)	16.0	8.5	1.9	D (90 °F)	15.1	8.0	1.8
E (80 °C)	6.2	0.9	0.0	E (144 °F)	5.9	0.9	0.0

Original Certification Date: 16-JUL-09

**COLLECTOR SPECIFICATIONS**

<b>Gross Area:</b>	2.355 m <sup>2</sup>	25.35 ft <sup>2</sup>	<b>Net Aperture Area:</b>	2.197 m <sup>2</sup>	23.65 ft <sup>2</sup>
<b>Dry Weight:</b>	40.8 kg	90. lb	<b>Fluid Capacity:</b>	3.8 liter	1.0 gal
<b>Test Pressure:</b>	1103. KPa	160. psg			

**COLLECTOR MATERIALS**

<b>Frame:</b>	Anodized Aluminum
<b>Cover (Outer):</b>	Low Iron Tempered Glass
<b>Cover (Inner):</b>	None
<b>Absorber Material:</b>	Tube - Copper / Plate - Copper Fin
<b>Absorber Coating:</b>	Selective Coating
<b>Insulation Side:</b>	Polyisocyanurate
<b>Insulation back:</b>	Polyisocyanurate

**Pressure Drop**

Flow		ΔP	
ml/s	gpm	gpm	in H <sub>2</sub> O

**TECHNICAL INFORMATION**

<b>Efficiency Equation [NOTE: Based on gross area and (P)=Ti-Taj]</b>				<b>Y INTERCEPT</b>	<b>SLOPE</b>
<b>S I UNITS:</b>	$\eta = 0.6910$	$-3.39600 (P)/I$	$-0.01968 (P)^2/I$	0.7	$-4.9 \text{ W/m}^2 \cdot \text{°C}$
<b>I P UNITS:</b>	$\eta = 0.6910$	$-0.5982 (P)/I$	$-0.0019 (P)^2/I$	0.7	$-0.9 \text{ Btu/hr.ft}^2 \cdot \text{°F}$

<b>Incident Angle Modifier [(S)=1/cosθ - 1, 0°&lt;θ&lt;=60°]</b>		<b>Model Tested:</b>	2002011A
<b>Ka = 1</b>	-0.194 (S)	<b>Test Fluid:</b>	Water
<b>Ka = 1</b>	-0.20 (S)	<b>Test Flow Rate:</b>	38.8 ml/s 0.61 gpm
	Linear Fit		

**REMARKS:**

July, 2009  
Certification must be renewed annually, For current status contact:  
**SOLAR RATING & CERTIFICATION CORPORATION**  
c/o FSEC ♦ 1679 Clearlake Road ♦ Cocoa, FL 32922 ♦ (321) 638-1537 ♦ Fax (321) 638-1010

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