





## Technical Specification Sheet

### Sun Lizard Solar Climate Control System (Dual Collector) (Standard)







For Buildings With Roof Cavity



#### KEY COMPONENTS

(Wall duct not included)



Component	Description	Specifications
<b>Solar Heat Collector</b> 	<p>This specially designed solar glass, coated metal and insulated box, creates heat to over 100 degrees Celsius. Air circulates through the angled baffles picking up this heat and the returning air is up to 50 degrees Celsius.</p>	<p>Width: 1520mm Depth: 1220mm Height: 120mm Weight: 60kg Qty: 2</p>
<b>PV Panel</b> 	<p>Generates electricity from the sun hitting the silicone crystal cells. Manufacturer guaranteed for 10 years.</p>	<p>Power: 30 Watts Voltage: 12 Volts Current: 1.78Amps Width: 592mm Depth: 502mm Height: 50mm Qty: 1</p>
<b>Air flow control box</b> 	<p>Controls the direction air travels. Through the collector and back to the house in heating mode, and out to the exhaust flue in cooling mode.</p>	<p>Width: 500mm Depth: 350mm Height: 200mm Qty: 1</p>
<b>Fan box</b> 	<p>Contains 4 powerful and reliable fans with smart design features to give maximum air flow and pressure. The fans are powered by the PV panel.</p>	<p>Fans: 4 x 6.8 Watt Fans Width: 590mm Depth: 265mm Height: 175mm</p>



		Air Flow Rate: 6m <sup>3</sup> /min Inlet & Outlet Dia: 150mm Qty: 1
<b>Electronic control system</b>	User friendly control panel sits in front of a sophisticated electronic control system to manage the Sun Lizards operation.	Wall mount switch & Cable Control Functions: On/Off, High/Low 240/12V plug pack Qty: 1
<b>Exhaust Flue</b> 	To get rid of unwanted hot air in summer. The Exhaust Flue is supplied for roof cavities.	Opening: 150mm Dia Qty: 1
<b>Ceiling Diffuser</b> 	Inlet or return air always goes through the ceiling diffuser and out to the Sun Lizard	Colours: White Only Diameter: 150mm Overall Width: 270mm Functions: Open/ Close Qty: 1
<b>Insulated Flex Duct</b> 	Insulated ducting for moving the air from the building, to the Sun Lizard and back again	Diameter: 150mm Length: 6m R-Value: 1 Qty: 2
<b>Y Branch</b> 	To allow the second solar collector to be connected to the first solar heat collector	Inlet opening: 150mm Diameter Outlet Openings 150mm Diameter Qty: 2
<b>Dektites</b>  Metal Roofs  Tiled Roofs	To allow for flashing of metal pipe so to protect the roof from water or moisture.	Pipe: 110mm – 170mm Diameter Base: 284mm x 284mm (Metal) 600mm x 450mm (Tiled) Colour: Black Qty: 5


<b>Gal Pipe</b> 	For external roof ducting, connecting the Sun Lizard to the inlet and outlet vents.	Pipe: 150mm Diameter Length: 500m Qty: 4
<b>Metal Bends</b> 	For external roof ducting, connecting the Sun Lizard to the inlet and outlet vents.	Pipe: 150mm Diameter Qty: 4

### OPTIONAL EXTRAS

Components	Description	Specifications
<b>Filtered Cooling Vent</b> 	Allow cool, filtered air to come into the building during summer and can be sealed off in winter. Comes with filter, floor register and floor boot. Floor register comes in various colours.	Width: 300mm Depth: 100mm Height: 135mm
<b>2NSCC Kit</b>	To tilt Heat Collectors at optimum solar angle. Suitable for buildings with ceiling cavity & pitched roofs facing: <ul style="list-style-type: none"> <li>- South or</li> <li>- East and West (Collector on roof)</li> </ul>	2 x NS Roof Frames
<b>2EWCC Kit</b>	To tilt Heat Collectors at optimum solar angle. Suitable for buildings with ceiling cavity & pitched roofs facing: <ul style="list-style-type: none"> <li>- East only or</li> <li>- West only</li> </ul>	2 x EW Roof Frames 2 x NS Roof Frames
<b>PV Frame</b> 	To tilt the PV panel to the correct angle for maximum solar gain.	Adjustable at various degrees and heights.

### SUPPLIED BY INSTALLER – WALL DUCT

Please see **Heating Duct & Vent Specification Sheet** for more information

Components	Description	Specifications
<b>Wall Duct, Transition Piece, Wall Register</b> 	Colorbond Wall duct that can be Inserted inside 90mm wall cavity or attached to an internal wall. Must include transition piece. Built or supplied by your local installer, plumber or builder. Please see <b>Heating Duct &amp; Vent Specification Sheet</b> .	<b>Wall Duct</b> Opening: 85mm x 350mm Height: Ceiling Height <b>Transition Piece</b> Rectangular Opening: 85mm x 350mm

		Round Opening: 150mm <b>Wall Register</b> Length: 300mm Width: 100mm Functions: Open/Close
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**SUPPLIED ACCESSORIES**

- User Manual
- Installation Guide