








## Technical Specification Sheet

### Solar Heat Extractor (NC) For Buildings with No Roof Cavity



#### KEY COMPONENTS

Component	Description	Specifications
 <b>PV Panel</b>	Generates electricity from the sun hitting the silicone crystal cells. Manufacturer guaranteed for 10 years	Power: 30 Watts Voltage: 12 Volts Current: 1.78Amps Width: 592mm Depth: 502mm Height: 50mm
 <b>Fan box</b>	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. (Weather proof cover supplied)	Fans: 4 x 6.8 Watt Fans Width: 590mm Depth: 265mm Height: 175mm Air Flow Rate: 6m <sup>3</sup> /min Inlet & Outlet Dia: 150mm
<b>Electronic control system and switch</b>	User friendly control panel sits in front of a sophisticated electronic control system to manage the Sun Lizard's operation.	Wall mount switch & Cable Control Functions: On/Off, High/Low 240/12V plug pack Qty: 1
<b>Exhaust Adaptor</b>	Gets rid of unwanted hot air through the roof and out into the atmosphere	Adaptor is attached to the fan box.
 <b>Dektite</b> Metal Roofs	To allow for flashing for penetrations made to the roof. It protects the roof from water or moisture.	<b>Metal Roof Dektite</b> Pipe: 110mm – 170mm Dia Base: 284mm x 284mm Colour: Black <b>Tiled Roof Dektite</b> Pipe: 110mm – 170mm Dia Base: 600mm x 450mm





 <p>Tiled Roofs</p>		<p>Colour: Black Qty: 1</p>
<p><b>Ceiling Diffusers</b></p> 	<p>Remove heat from one room</p>	<p>Colours: White Only Diameter: 150mm Overall Width: 270mm Functions: Open/ Close Qty: 1</p>
<p><b>Metal Bends</b></p> 	<p>For connecting fan box to ceiling diffuser</p>	<p>Pipe: 150mm Diameter Qty: 1</p>
<p><b>Metal UV Stabilised, Insulated Pipe</b></p> 	<p>For connecting metal bend to ceiling diffuser</p>	<p>Pipe: 150mm Diameter Length: 500mm Qty: 1</p>

**OPTIONAL EXTRAS**

Components	Description	Specifications
<p><b>PV Frame</b></p> 	<p>To tilt the PV panel to the correct angle for maximum solar gain.</p>	<p>Adjustable at various degrees and heights.</p>
<p><b>Filtered Cooling Vent</b></p> 	<p>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.</p>	<p>Width: 300mm Depth: 100mm Height: 135mm</p>

**OPTIONAL ADDITIONAL ROOM VENT (SUPPLIED BY INSTALLER )**

Please see **External Roof Ducting Specification Sheet** for more information.

Component	Description	Specifications
<b>Metal UV Stabilised, Insulated Y Branch</b>	For adding an additional room vent. Built or supplied by your local installer, plumber or builder. Please see <b>External Roof Ducting Specification Sheet</b>	Inlet opening: 150mm Dia Outlet Opening: 150mm Dia R-Value: 1.0 Qty: 2
<b>Metal UV Stabilised, Insulated Bends</b> 	For adding an additional room vent. Built or supplied by your local installer, plumber or builder. Please see <b>External Roof Ducting Specification Sheet</b>	Pipe: 150mm Diameter Qty: Dependant upon location
<b>Metal UV Stabilised, Insulated Pipe</b> 	For adding an additional room vent. Please see <b>External Roof Ducting Specification Sheet</b> . Built or supplied by your local installer, plumber or builder. Please see <b>External Roof Ducting Specification Sheet</b>	Pipe: 150mm Diameter R-Value: 1.0 Qty: Dependant upon location

**SUPPLIED ACCESSORIES**

- User Manual
- Installation Guide