



BREEZEMAN™

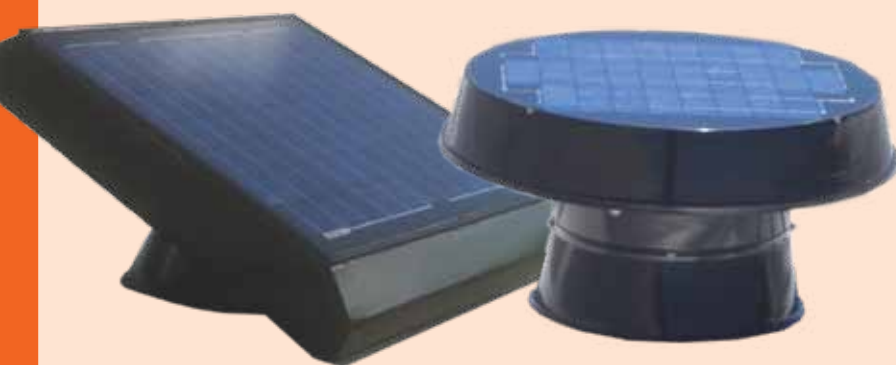
SOLAR POWERED RANGE OF INDUSTRIAL ROOF EXTRACTION FANS

Breezeman™ is a highly efficient range of solar powered industrial roof extraction fans, to suit warehouses, factories and workshops, where ever there is a requirement for day time active air extraction and unwanted heat purging, and improved air flow from a building. The Breezeman™ solar extraction fan will;

- Assist to remove unwanted atmospheric emissions from welding or painting process fumes in workshop environments.
- Create greater work place comfort with improved air flow for building occupants.
- Remove unwanted heat loads which are trapped inside buildings at roof level, which can reach up to +70c during Summer months.
- Cost you nothing to run over the product life cycle with the solar module directly powering the electro-magnetic brushless fan motor.

Breezeman™ is simple to install on the roof, with a steel neck to make mechanical fixing fast and accessible. The top of the neck throat is deflected to reduce any heavy weather 'splash' ingress, and the solar module cap is self-draining to ensure there are no problems with prolonged immersion of the module even on a flat roof. Facing optimally toward the equator on the roof, the unit will work efficiently, with no life cycle running costs, and make a significant improvement to the working environment.

- Solar powered – with either a round 30W-BM1300, or a square 50W-BM1800 crystalline solar module.
- Quiet operation – electro-magnetic brushless DC motor.
- High volumetric air movement capacity at peak operation conditions – ambient sunshine, facing the equator
 - * 30W-BM1300 will extract at 1200m³ +/- 10% per hour
 - * 50W-BM1800 will extract at 1500m³ +/- 10% per hour
- Robust metal construction with a black enamel finish over etch primer.
- Round neck will fit over any 363mm (outside dimension) roof flashing.
- Rapid simple installation onto roof. Unit dimensions – round BM1300-30W - 650mm top diameter, 280mm high off roof. Square BM1800-50W – 810mm x 700mm and 280mm off roof.
- Self-damper option available to underside of roof, quality engineering to ensure maintenance free operation.
- 5 year limited warranty on motor and solar module.



**GREEN ENERGY SYSTEMS (GES™)
AUSTRALIA BREEZEMAN™ 2011**

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INSTALLATION INSTRUCTIONS



- 1)** Carefully unpack your Breezeman™ from its packaging carton. The product should be in one piece and plastic wrapped. Responsibly discard unwanted packaging materials. Make sure you keep your proof of purchase receipt in case of any future warranty claims.

- 2)** Take your Breezeman™ outside into the sun and test its operation, being careful NOT to place hands into the rotating fan blade and ensure the product is not dropped. The product should immediately start operation when facing the equator.



- 3)** Carefully fit your Breezeman onto a round 363mm clear outside dimension roof flashing on the roof orientated towards the equator. Mechanically fix the Breezeman™ onto the flashing with minimum of 4 x roofing tek screws. The unit will operate immediately once it is in the sun. Clean any debris from the roof.



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