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Tel: (021) 492 1486

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Pretoria, Gezina  
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**RICHARDS BAY**

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20 Caremic Curve  
Alton, Richards Bay  
Tel: (035) 751 2721

**SOMERSET WEST**

5 Daniel Street,  
Gants Plaza, Strand  
Tel: (021) 854 3818

**THOHOYANDOU**

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Thohoyandou  
Tel: (015) 495 1210/1/2

**BOKSBURG**

Unit 1A Engen Garage  
Cnr Atlas & Top Road, Boksburg  
Tel: (011) 894 7781

**DURBAN, SPRINGFIELD PARK**

Unit 4 Umgeni Business Park,  
23 Intersite Avenue,  
Springfield Park, Durban  
Tel: (031) 263 1783

**KLERKSDORP**

17 Delver Street,  
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Tel: (018) 464 4294

**NELSPRUIT**

Unit 22 Christie Crescent  
Vintonia Ext 2, Nelspruit  
Tel: (013) 752 6864

**PORT ELIZABETH**

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**PRETORIA WEST**

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Pretoria West, Pretoria  
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**ROODEPOORT**

136A Albertina Sisulu Road  
Manufacture, Roodepoort  
Unit 22, Federal Industrial Park  
Tel: (011) 760 1211/2

**UPINGTON**

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**VANDEBIJLPARK**

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**BOTSWANA, GABORONE**

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**EAST LONDON**

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Tel: (043) 722 7124

**MIDRAND**

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Johannesburg  
Tel: (011) 805 1120

**PIETERMARITZBURG**

305 Greyling Street  
Pietermaritzburg  
Tel: (033) 345 7873

**PRETORIA EAST**

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Cnr Lynnwood & Wapadrand Road,  
Wapadrand  
Tel: (012) 492 5623

**RANDBURG, STRIJDOM PARK**

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Tungsten Road Cnr Malibongwe,  
Strijdom Park, Randburg  
Tel: (011) 791 7668

**RUSTENBURG**

Shop 8, Platinum Square  
49 Nelson Mandela Drive  
Tel: (014) 597 0079

**TULISA PARK**

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Tulisa Park, Johannesburg  
Tel: (011) 613 6551



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## Why choose turbine ventilation?

Mounted to the roof, turbine ventilators extract hot, stale and polluted indoor air. This allows cool, fresh air to enter the building from outside. Turbine ventilators keep indoor environments cooler and healthier; they use no electricity and turn using the wind and natural convection. TecsaReco's range of turbine ventilators are made from the best quality materials to the highest international standards.

## How turbine ventilation works

Turbine ventilators harness the power of the wind to drive a centrifugal turbine dome that creates a vacuum to pull air out of a building. Even in the absence of wind, turbines will spin and allow hot air to rise out of the building; this is the natural process of convection. Turbine ventilators keep dust out of buildings because the air is blown out of the turbine by the spinning motion of the turbine blades. Water is also kept out of the building; even in the heaviest rain storms, the specially designed grooves on the turbine repel water away from the turbine.

## How to select a turbine ventilator?

TecsaReco's extensive range of turbines allow you to find the perfect turbine for your application. Higher roofs generally require larger diameter turbines, whilst lower roofs require smaller turbines to allow even ventilation over the entire roofed area. Coloured tiles on the roofs of homes are usually best suited to the SupaVent range which are available in a variety of colours to match the roof. A range of materials is also available from UV stabilised plastic to metal turbines. Lightweight aluminium turbines offer a performance and corrosion advantage over heavier galvanised metal turbines.

## How turbines are installed

Turbines are installed on the roof; care must be taken to waterproof the installation properly. Installations should only be carried out by trained installers who will locate, space and seal turbines correctly.

## General features

TecsaReco has successfully supplied hundreds of thousands of turbine ventilators since 1990 to almost every type of building, both with and without ceilings, to homes, schools, churches, shops, warehouses and factories.

- Turbine ventilators are able to withstand wind speeds of up to 220km/h, yet will turn even in the complete absence of wind.
- Can be fitted to almost any roof up to a 45° pitch.
- Require no maintenance.
- Are completely silent.
- Are waterproof.
- Keep dust and pollutants from coming into the building.
- Are SABS approved.
- Can be used in confined spaces such as containers and vehicles.
- Can be used to enhance the effectiveness of chimney flues.

## Benefits

- Cooling and ventilation: the primary benefit of turbine ventilators is that they efficiently remove hot, stale and polluted air from buildings in which attic-air can be heated up to 65°, this allows the air to be replaced with cool fresh air from outdoors.
- Cost effective: turbine ventilators require no maintenance and no electricity to run.
- In winter, ventilation removes moisture-laden air; too much moisture is known to deteriorate structures and cause mould to grow in attic spaces.
- Reducing a building's heat load will assist in reducing air-conditioning bills in summer.
- The steady flow of air through ventilation clears out airborne contaminants and replenishes oxygen levels in the air, creating a fresh and clean environment.

## Turbine Ventilation Specifications

Stock Code	Unit	Size (mm)	Material	Extraction Rate	Height (mm)	Width (mm)	Length (mm)	Packed Weight (kg)
WHB300MILL	Whirlybird	300	Aluminium	924m <sup>3</sup> /hr	460	475	525	2.7
WHB350MILL		350	Aluminium	1155m <sup>3</sup> /hr	545	490	575	3
GT12	GT-12	300	Galvanised	924m <sup>3</sup> /hr	460	475	525	6
GTWIS510	Twister	510	Galvanised	4695m <sup>3</sup> /hr	620	730	730	21.5
ATWIS510			Aluminium	4695m <sup>3</sup> /hr	620	730	730	16.5
ZATWIS510			Zinc Alum	4695m <sup>3</sup> /hr	620	730	730	21.5
GTWIS610		610	Galvanised	6150m <sup>3</sup> /hr	620	800	800	19.5
ATWIS610			Aluminium	6150m <sup>3</sup> /hr	620	800	800	17
ZATWIS610			Zinc Alum	6150m <sup>3</sup> /hr	620	800	800	19.5
LPV500	LP Vent	500	Aluminium	3770m <sup>3</sup> /hr	535	630	630	6.4
LPV600		600	Aluminium	5395m <sup>3</sup> /hr	620	755	755	8.8
SV250RED	SupaVent	250	Polycarbonate	1229m <sup>3</sup> /hr	510	345	345	2.6
SEWVNT	SewerVent	150	Polycarbonate	488m <sup>3</sup> /hr	240	240	240	1.1
GPVENT	GP Vent	130	Polycarbonate	68m <sup>3</sup> /hr	110	210	210	0.6
H600	Hurricane	H600	Aluminium	6000m <sup>3</sup> /hr	484	602	766	8.10
H900		H900	Aluminium	12000m <sup>3</sup> /hr	936	1110	1130	24.1
HUR900		HUR900	Aluminium	12000m <sup>3</sup> /hr	936	1110	1130	24.1

Whirlybird



### Our top selling turbine for homes and factories with low roofs

- Constructed entirely of high quality aluminium, making it lightweight, but sturdy and rust-resistant.
- The ball bearings used are superior to the bush-type bearings used in many other ventilators.
- The aerofoil vanes incorporate rolled edges to prevent rain and dust from penetrating the dome.
- Available in two sizes: 300 mm or 350 mm diameter throat (only available in aluminium).
- Has a standard milled aluminium finish, which can be colour-coated on request.
- The bearings are permanently sealed, making the Whirlybird entirely maintenance-free.
- The Whirlybird is backed by a five-year warranty. GT-12 has a one-year warranty.

Twister



### A high quality turbine designed for factories and warehouses

- Available in either high quality, light-weight aluminium, zinc alum or rugged galvanised mild steel; these can be colour-coated on request
- Available with a 510 mm or 610 mm diameter throat.
- Has two high quality sealed bearings for trouble-free performance.
- Has 36 uniquely shaped vanes for enhanced effectiveness.
- Backed by a five-year warranty against defective materials and manufacture.

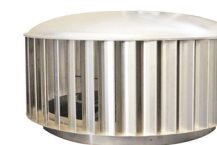
LP Vent



### A low profile turbine from our economical range

- The turbine is made of a light weight aluminium alloy that has a fluorocarbon protective coating, which is rust and corrosion proof.
- It is both waterproof and dust repellent.
- Available in two sizes – either a 500 mm and 600 mm diameter throat – and in a grey metal colour.
- Backed by a three-year warranty.

Hurricane 900



### The ultimate in quality, as a ventilator and smoke ventilator

- Constructed from light weight, corrosion resistant aluminium, yet it has been tested in 195 km/h winds.
- The double-row, heavy-duty ball bearing system ensures optimum, trouble-free performance, under a wide range of conditions.
- The standard aluminium finish can be colour-coated on request – and comes with matching accessories.
- Meets international standards as a fire smoke extractor.
- Backed by a five-year warranty against defective materials and manufacture.

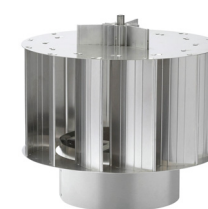
SupaVent



### A premium home roof vent designed for easy DIY installation

- Made from exceptionally strong, UV-resistant, ABS polymer which can withstand harsh sun without any deterioration or colour fading.
- Unlike with steel vents, rust will never be a problem.
- Can withstand winds of up to 180 km/h.
- Is available in a range of colours to complement your roof, including a transparent version.
- Has a 250 mm throat diameter.
- Backed by a five-year warranty covering defective materials and manufacture.

Sure Draft



### A vent made specifically for chimneys and flues

- Prevents back drafting and chimney smoke being blown into the house and from nearby buildings, trees and natural topography – by causing a positive updraft in the flue or chimney.
- Has a throat diameter of either 150 mm or 300 mm.
- The standard colour is mill aluminium, although powder coat colours can be arranged for special orders.
- Backed by a five-year warranty.

GP Vent



### A vent specifically designed for vehicles

- Gets rid of stale interior air (including heat and odours) when the vehicle is in motion and the windows are closed.
- Made from impact resistant polymer and is easy to install on a wide range of vehicles, including cars, vans, boats and trucks.
- Ensures an adequate supply of oxygen, thereby increasing driver alertness and reducing the possibility of road accidents.
- Backed by a three-year warranty against defective materials and manufacture.

SewerVent



### Ventilates sewage systems, pits, drains and removes odours

- The turbine is manufactured from strong ABS polymer alloy which is inert to most acids, and can be used in any environment which is contaminated by pollutants and chemicals.
- Made from a special polycarbonate composition that won't rust or corrode.
- Fits on most sewer pipes – the pipe adapter is 110 mm or 150 mm.
- Has a 150 mm diameter throat.
- Is relatively easy to install and the vent spins silently.
- Backed by a five-year warranty against defective materials and manufacture.