



**AGI FROST FANS PTY LTD**

**RELIABLE FROST PROTECTION**





“ Reliable protection against frost in a variety of environments and temperatures.



“ Custom-designed open blade design ensures greater efficiency irrespective of landscape.



“ Rotating fan with adjustable coverage angle provides a tailored area of coverage.

“ Unmatched efficiency due to direct driven electrical motor

“ Market leader in terms of cost per hectare





## PROTECT YOUR CROPS AGAINST FROST

The AGI Frost Fan provides efficient and reliable protection against damage caused by frost in a variety of environments and temperatures. The custom-designed open impeller ensures efficiency in protecting frost prone crops, irrespective of the surrounding landscape. The rotating fan ensures protection of plants and vines in a greater area with typical coverage ranging from 6 to 9 hectares per fan.

The AGI Frost Fan is an attractive and affordable solution for both smaller horticultural crop growers and bigger players.



## ADVANCED FROST PROTECTION

AGI Frost Fans are manufactured and supported locally (Wellington, Western Cape) and provide advanced frost protection against the harsh African climate. The operating parameters are flexible and the frost fans are also easily adaptable to other climates.

### KEY FEATURES

- Fan is electrically driven
- Coverage of 6 to 9 hectares per fan
- Head rotates 360 degrees with adjustable coverage angle
- Variable speed with programmable parameters to ensure low starting amps
- Light-weight, but durable fan blades
- Auto and remote start (remote start optional package)
- Monopole pivot mechanism for easy installation and maintenance
- Temperature, humidity and wind speed monitoring via smart phone or PC
- Low operating and service costs compared to other frost fans.

## MODEL OPTIONS

AGI Frost Fans are available in 15 or 30kW electrical motor versions, with a tower length of 10m and a coverage range of 6 to 9 hectares per unit. They are manufactured to order and then delivered to site in modular form before being assembled by our experienced field teams.

**WE SHIP THROUGHOUT SOUTHERN AFRICA AND ABROAD.**





## ENGINEERED FOR THE FUTURE

The electrically-driven motor has a very low noise level compared to diesel and petrol powered fans, allowing for installation where noise pollution and visual impact might restrict the installation.

### Minimal maintenance:

AGI Frost Fans require minimal maintenance and they require only an annual lubrication and inspection to ensure that the unit continues to function optimally. The annual service is a fraction of the cost compared to petrol and diesel powered fans.



### MECHANICAL FEATURES

- Galvanised mild steel monopole, 10m in length
- Pole can be lowered with pivot mechanism for ease of maintenance
- The pivot feature eliminates costly crane hiring for installation
- Blades are manufactured from lightweight composite material
- Blades are specifically designed for maximum coverage while limiting input power
- Blades are secured with a taper-lock hub
- Unit designed for optimum power to weight ratio with a blade assembly mass of only 45kg
- Motor and blade combination limits noise pollution

### ELECTRICAL FEATURES

- 15 and 30kW electrical motor-driven fan
- Variable speed drive
- Adjustable fan rotation speed
- Vibration monitor to detect any abnormalities during operation
- Controls housed in lockable powder-coated steel cabinet
- Customisable incremental rotation control
- LED light to indicate fan direction
- Integrated brake motor to prevent fan from rotating while not in use



# PROTECT YOUR CROPS AGAINST THE DAMAGES OF FROST WITH AGI FROST FANS!

Contact us to find out more about AGI Frost Fans and how we can help you protect your crops against possible frost damage.

**Call us on:**

Tel: + 27 23 615 1777 | Fax: + 27 21 873 0547

**Marius:**

Cell: + 27 72 222 5577

**E-mail us:**

[info@agifrostfans.com](mailto:info@agifrostfans.com)

**Visit us:**

77 Stokery Road, Wellington, 7654

AGI Frost Fans are manufactured in the Western Cape, South Africa.

[www.agifrostfans.com](http://www.agifrostfans.com)