

Orchard Fans

MOBILE FROST FAN



Frost Protection Systems



PRODUCT ADVANTAGES

- ▷ Orchard Fans, mobile frost fan is the largest mobile fan in the market. Our fan is designed to compete directly with fixed fans with an impressive 10 meter tower height.
- ▷ Our fans produce a high-volume low speed wind (35km/h) which is ideal for frost protection and will not damage your crops.
- ▷ Built-in electric oscillator allows for a customisable sweeps. Fans can achieve a circular coverage between 5.5 to 7 hectares
- ▷ Fans can be towed by either a large 4 x 4 vehicle or tractor. The design is road legal and can be licenced if required.
- ▷ Protects a variety of crops during multiple seasons
- ▷ Easily adjusts the protection patterns to focus on trouble spots
- ▷ Assists with drying crops on early harvest mornings

TECHNICAL SPECIFICATIONS

Drive unit	Electric Motor - 37 kW , powered through a variable frequency drive for optimal speed and power delivery while eliminating high current pull during start-up.
Slew Drive	Combination Slew drive with reduction gearbox and electric motor, allows for a 360 degree sweep. Powered by a variable frequency drive allowing for a customised slew speed between 5 to 10 min per revolution
Fan	Diameter - 4.0 m Rotation speed - 750 rpm Tip speed - 157 m/s Four Blades
Tower	Hub Height - 10.0 m Foldable boom design. Adjustable blow angle
Trailer	Road legal trailer equipped with overrun brakes. Dimensions - 9.0 m x 2.6 m x 3.9 m – 3,500 kg Available with ball or eye hitch.
Base	4.0m x 4.0m Foldable out rigger base. Designed to 133% stability ratio.
Power	Source - Grid or Generator. Demand - 60 kVA

OPTIONAL EXTRAS

- ▷ Automated starting and feedback system.

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