

# Orchard Wind Turbine for Frost Protection

This orchard wind turbine is designed to protect crops from frost. It circulates warmer air to prevent frost damage in orchards and vineyards.



## ADDITIONAL IMAGES



## Product Overview

### Frost Protection Solution

The FSJ-85 Orchard Wind Turbine is a robust agricultural system designed to mitigate frost and low-temperature damage in orchards. By mixing warmer air from higher altitudes with cooler surface air, it effectively raises ground-level temperatures to prevent crop damage during early spring and late autumn. This diesel-powered unit is engineered for durability and is suitable for flat lands, slopes, and terraced terrain.

## Performance Metrics

### Engine Power

**85 kW**

Engine Power

### Effective Coverage

**4 Hectare**

Area

**40000 m2**

Area

## Technical Specifications

Model	FSJ-85
Power Source	Diesel engine
Min. Diesel Consumption	20 litre/h

## Fan and Gearbox Specs

### Fan Blade Details

Parameter	Value
Quantity of fan blades	2 pcs
Covering diameter of blade	5800±5.0 mm
Rated turning speed of fan blade	200^530r/min

Top Gear Box Speed	0.16 r/min
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## Operational Dimensions

Center Height	10906 mm
Covering Distance	95^100m

## Logistics

### Container Packing Capacity

- 4 sets fans packed in 1x40' standard container
- 4 sets diesel engines packed in 1x20' standard container