

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