

Secure the future of your orchards with GENER agricultural wind machines

Stationary Wind Machines



Portable Wind Machine



Effects of Frost on Orchards:

- ✓ Fruit & Flower Damage – Frost can kill blossoms and young fruit, preventing proper development.
- ✓ Reduced Yield – Damaged buds and flowers result in fewer fruits at harvest.
- ✓ Quality Issues – Frost-damaged fruit may have blemishes, deformities, or reduced shelf life.
- ✓ Tree Stress – Repeated frost exposure can weaken trees, making them more vulnerable to disease and pests.

Why Wind Machines Are the Best Choice:

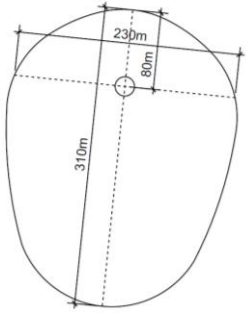
- ✓ Effective Temperature Control – Prevents frost damage by maintaining optimal temperatures.
- ✓ Reliable & Cost-Effective – Works efficiently compared to other frost protection methods like heaters or irrigation.
- ✓ Protects Large Areas – A single wind machine can safeguard multiple acres.
- ✓ Works in Various Climates – Suitable for orchards, vineyards, and other frost-sensitive crops worldwide.

ALTERNATIVE ENGINES

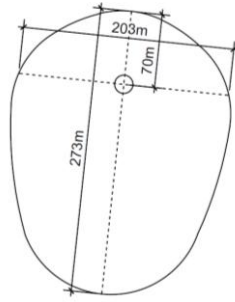


COVERAGE AREA

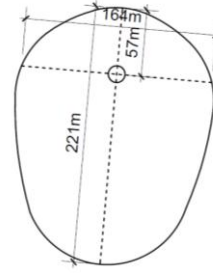
Stationary Models
S60



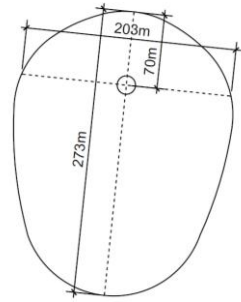
Stationary Models
S45



Stationary Model
S35



Portable Model
P45



AUTOSTART – Intelligent Frost Protection



Customizable Auto-Start Features:

- ✓ Set start & stop temperatures
- ✓ Adjust warm-up & cool-down durations
- ✓ Control engine RPM for optimal efficiency
- ✓ Wind speed shutdown for safety in extreme conditions

REMOTE CONTROL - Smart Frost Protection



Adjustable Features

- ✓ Stop & Start Temperatures
- ✓ Operate the Machine
- ✓ Shifting between Manual and Automatic Mode
- ✓ Shut-Down the Alarm
- ✓ Shut-Down the Machine

Monitor

- ✓ Ambient Temperature
- ✓ Tower Temperature
- ✓ Fuel Level
- ✓ Battery Voltage
- ✓ Wind Speed
- ✓ Working Hour
- ✓ Number of Starts
- ✓ Alarms and Warnings

STATIONARY MODELS

	S60	S45
Coverage Area	Up to 6 ha.	Up to 5.5 ha.
Propeller	2 Blade (6.00mt) 4 Blade (4.50mt)	2 Blade (5.80mt) 4 Blade (4.50mt)
Tower	10.50 mt height, 8mm thickness, Hot deep galvanized	
Gearbox	Cast iron frame, Pivots through 360°around the tower in 4.5min	
Cabin	Cold-formed galvanized sheets Electrostatic powder painted, Durable against external conditions, Integrated fuel tank	
Operation Mode	Automatic & Manual	
Remote Control	Available in standard, Monitor and control through smart devices	
Safety & Standard Equipment	Anemometer, Vibration switch, Solar panel, Alarm system	
Options & Attachments	Lay-down tower, Additional battery & charger, Thermoboost	

S60 Engine Alternatives

BRAND

DETAILS

VOLVO

Electronic Diesel Engine, 4 cylinder, 175Hp / 1800rpm

JOHN DEERE

Electronic Diesel Engine, 4 cylinder, 169Hp / 1800rpm

IVECO

Mechanical Diesel Engine, 6 cylinder, 173Hp / 2200rpm

BAUDOUIN

Mechanical Diesel Engine, 6 cylinder, 240Hp / 2300rpm

FORD

Electronic LPG Engine, 8 cylinder, 268Hp / 2300rpm

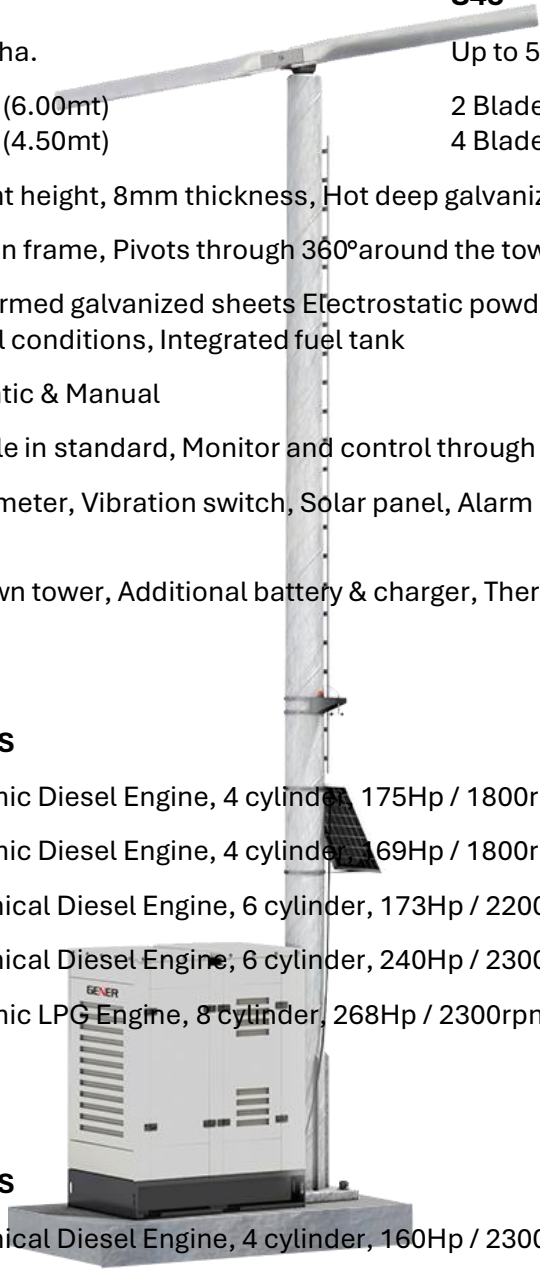
S45 Engine Alternatives

BRAND

DETAILS

BAUDOUIN

Mechanical Diesel Engine, 4 cylinder, 160Hp / 2300rpm



S35 (Tractor Version)

Coverage Area

Up to 3.5 ha.

Propeller

2 Blade (5.40mt)

Tower

10.50 mt height, 6 mm thickness, Hot deep galvanized

Gearbox

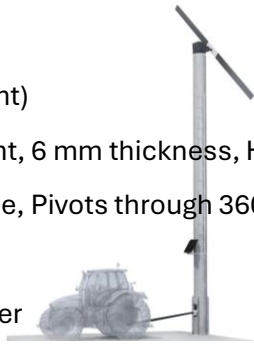
Cast iron frame, Pivots through 360°around the tower in 4.5min

Operation Mode

Manual

Options & Attachments

Lay-down tower



PORTABLE MODELS

P45

Coverage Area	Up to 4.5 ha.
Propeller	2 Blade (5.60mt) 4 Blade (4.50mt)
Tower	5.75 mt height, 6 mm thickness, Epoxy painted galvanized
Gearbox	Cast iron frame, Pivots through 360°around the tower in 4.5min
Cabin	Cold-formed galvanized sheets Electrostatic powder painted, Durable against external conditions, Integrated fuel tank
Operation Mode	Automatic & Manual
Remote Control	Available in standard, Monitor and control through smart devices
Safety & Standard Equipment	Anemometer, 2 axis tilt sensor, Alarm system
Options & Attachments	Lay-down tower, Additional battery & charger,



ATTACHMENTS

THERMOBOOST

- ✓ Placed adjacent to a frost fan, it manually boosts and generates hot air in three stages to maintain optimal orchard temperatures
- ✓ Ensures reliable warm air delivery even under adverse inversion conditions
- ✓ Enhances overall frost protection coverage
- ✓ Durable construction suitable for harsh agricultural environments
- ✓ Ideal for integration with Gener stationary or mobile frost fans, especially in orchards vulnerable to sudden frost without sufficient natural warm air layers.

