

## Air Circulation Fan

Agrifirst Air Circulation Fan — horizontal airflow for uniform greenhouse climate. Eliminates hot spots, reduces disease. Energy-efficient. Buy from Agrifirst.



**3x better**

disease control with humidity reduction

**2x higher**

yields with improved air circulation

**4x longer**

durability with rust-free stainless body

### ABOUT

#### Greenhouse Air Circulation Fan — Eliminate Dead Zones & Promote Uniform Climate

Agrifirst Air Circulation Fan is a high-efficiency horizontal airflow (HAF) fan designed to create continuous air movement throughout the greenhouse interior. By eliminating stagnant air pockets and dead zones, these fans ensure uniform temperature, humidity, and CO<sub>2</sub> distribution — reducing disease pressure and promoting even crop growth across the entire growing area.

### DESCRIPTION

Agrifirst Air Circulation Fan is a horizontal airflow (HAF) fan engineered for continuous air mixing inside polyhouse and greenhouse structures. Without active air circulation, greenhouses develop temperature stratification (hot at top, cool at bottom), humidity pockets (high near plants, low at vent level), and CO<sub>2</sub> depletion zones — all of which reduce crop performance and increase disease risk.

### Key Benefits

- **Uniform Temperature** — Eliminates vertical temperature stratification of up to 8–10°C
- **Humidity Control** — Continuous air movement prevents moisture buildup on leaf surfaces, reducing Botrytis and mildew by 50–70%
- **CO<sub>2</sub> Distribution** — Mixes CO<sub>2</sub>-rich air from above with the depleted zone around plant leaves
- **Energy Efficient** — Low wattage motors run 24/7 at minimal electricity cost
- **Stronger Stems** — Gentle air movement stimulates stem thickening (thigmomorphogenesis)

### Technical Specifications

Type	Horizontal Airflow (HAF)
Blade Diameter	400mm / 500mm
Motor	Single-phase, energy-efficient
Airflow	High-volume, low-speed directional
Mounting	Overhead suspension from greenhouse trusses
Spacing	Install every 10–15m for continuous airflow loop
Power	50–100W per fan

### GALLERY





**AGRIFIRST - FARMERS FIRST**

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