



# Exhaust fan GF12-24"

Stay cool with topcool



**Name: Exhaust fan GF12-24 direct drive fans**

**Size: 12-14-16-18-20-24"**

## Detail product:

Topcool composite fiber exhaust fan provide energy efficient and cost-effective way for exhausting air from divers application.

## Optimum application:

12" to 24" composite fiber exhaust fan is the optimum solution for livestock and poultry application. This fan offers superior performance and good efficiency. Mostly use for minimum and intermediate ventilation.

## Other environment:

Ideal for ventilation small room and 3 seasons ventilation. In dairy, poultry, swine, greenhouse and industrial.

## Topcool features:

### Housing:

1. Made with reinforcement fiber composite high density, durable, sturdy, and corrosion free
2. Thicker layer of U.V. protection on composite surface
3. Extra layer of resin inside give smooth surface for easy maintenance and cleaning
4. Air flow design maximize the efficiency
5. Slanted design projects away moisture from outside barn.
6. Condensation flows down outside keeping walls clean and dry in the wet season.
7. Inside mounting is flush, eliminating obstruction along walkways.
8. Aerodynamic housing tunnel and cone encourages free air flow

### Propeller:

1. Blade are made with nylon fiber reinforcement.

2. Cast aluminium hub support 6 nylon blade

3. Propeller pitch and motor are closely matched to provide maximum air flow output and best efficiency

### Motor:

1. Standard motors are totally enclosed, high efficiency
2. All motors are designed and rated for years of trouble free operation.
3. Quiet operation on all range of speed

### Support and frame:

1. Built in central T beam steel support, fix inside housing on each side and bottom this design provides a strong support that aligns the propeller centered in the orifice for maximum performance.
2. Stainless steel hardware #304.

### Guard:

1. heavy gauge Zinc galvanized wire and power coating finishing prevent

corrosion

### Shutter:

1. Design to lowers air flow resistance with preventing back drafts.
2. Easy to remove intake shutter with the "Topcool shutter clip" design

### Optional accessories:

1. Motor 1 phase or 3 phase
2. Different configuration motor form 1/10HP to 1HP
3. NEMA or IEC
4. OSHA safety guard
5. Thermally protection
6. Winter board inserts (replace the shutter during winter, if the fan are not required to operate)
7. Long cone
8. No cone /guard fix on housing tunnel
9. Aluminum Shutter
10. Wire guard intake (no shutter)
11. Other configuration available on request.



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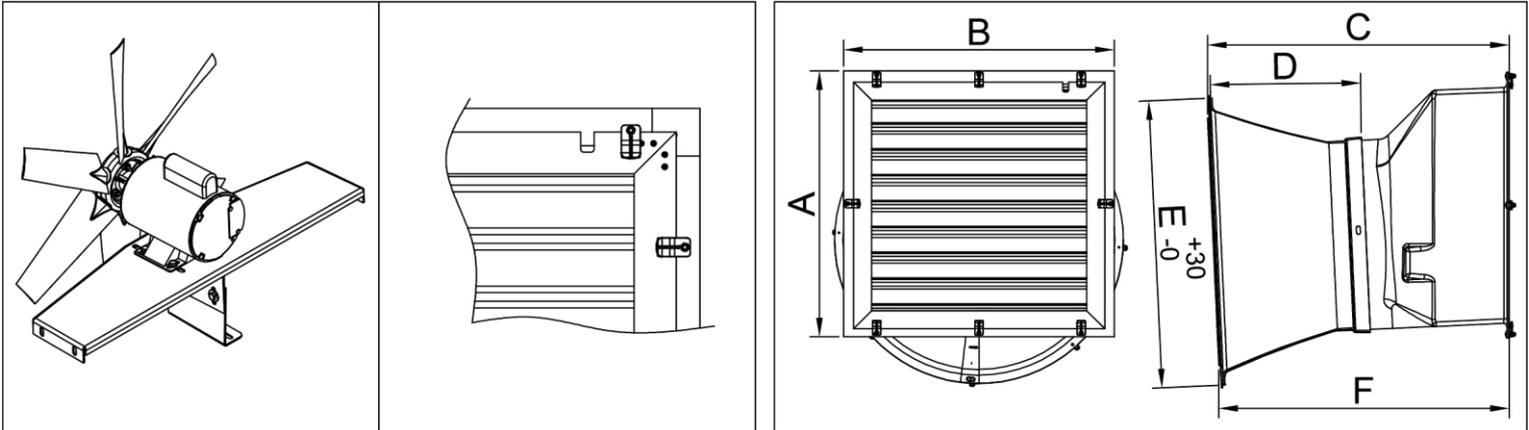


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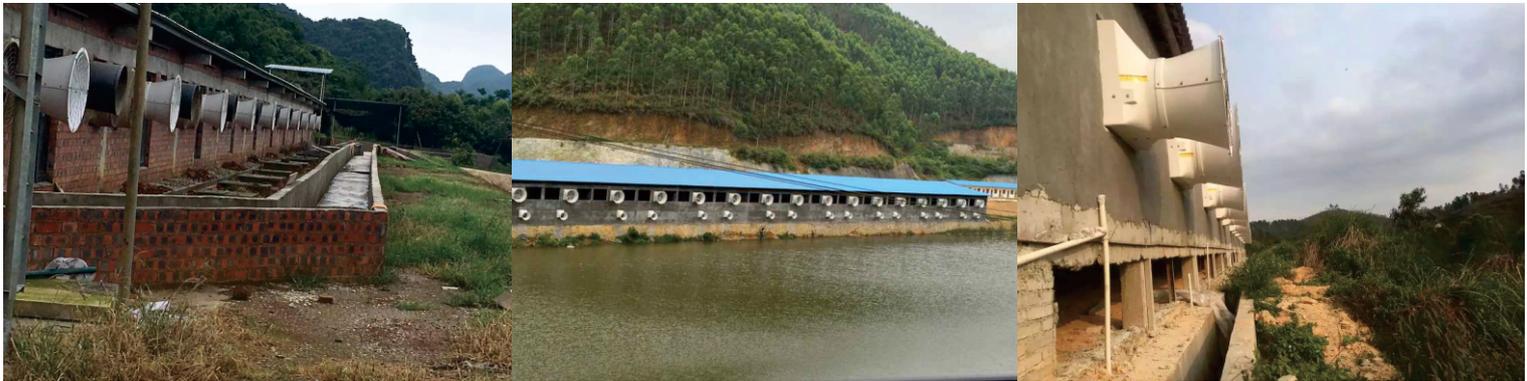


## FEATURE POINTS



| Product Model | Size (mm) |     |     |     |      |     | Product Model | Size (mm) |     |      |     |      |     |
|---------------|-----------|-----|-----|-----|------|-----|---------------|-----------|-----|------|-----|------|-----|
|               | A         | B   | C   | D   | E    | F   |               | A         | B   | C    | D   | E    | F   |
| GF18"         | 740       | 751 | 998 | 500 | Ø808 | 967 | GF24"         | 889       | 900 | 1002 | 500 | Ø960 | 965 |

## PICTURE APPLICATION



\*Picture for reference only.

## CONFIGURATIONS & PERFORMANCE DATA

| topcool parts no: | Nominal Power size (kw) | Volts | AMPS | Hz  | motor Spd | kW input | RPM   | CFM (0" SP) | CFM/W | CFM (0.05" SP) | CFM/W | CFM (0.08" SP) | CFM/W | CFM (0.12" SP) | CFM/W | CFM (0.20" SP) | CFM/W | AFR (0.20"/0.05") | Drive | Blade | Test ref #         |
|-------------------|-------------------------|-------|------|-----|-----------|----------|-------|-------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|-------------------|-------|-------|--------------------|
| 81-0768-0         | 24"                     | 0.37  | 220  | 2.4 | 50        | 1,500    | 1,408 | 6,353       | 15.8  | 6,176          | 12.8  | 5,941          | 12.1  | 5,765          | 11.5  | 5,412          | 10.4  | 88%               | 6/BD  | Alu   | cau 20150 524 GF24 |

\*Other configuration are available.

\*For complete description and detail call now

\*Air Flow Ratio (AFR) here is calculated by dividing the CFM at .20 static pressure by the CFM at .05 static pressure.

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Due to our continual effort to provide better products and service; literature, products, performance data, prices and availability are subject to change without notice.

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**Representative:**

**Code:**  
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