



# Exhaust fan GF18-24"

Stay cool with topcool



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

**Size: 18-24"**

### **Detail product:**

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

### **Optimum application:**

18"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

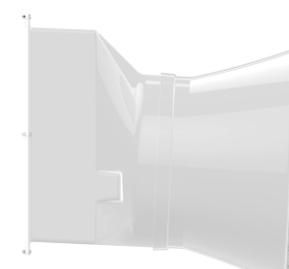
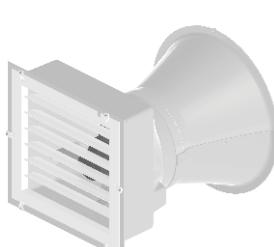
#### **Shutter:**

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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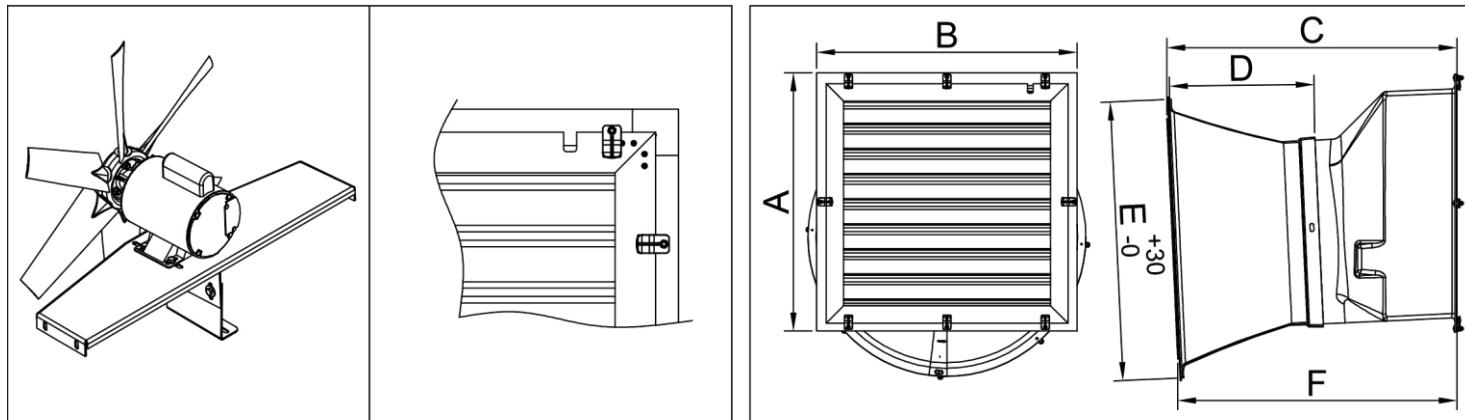


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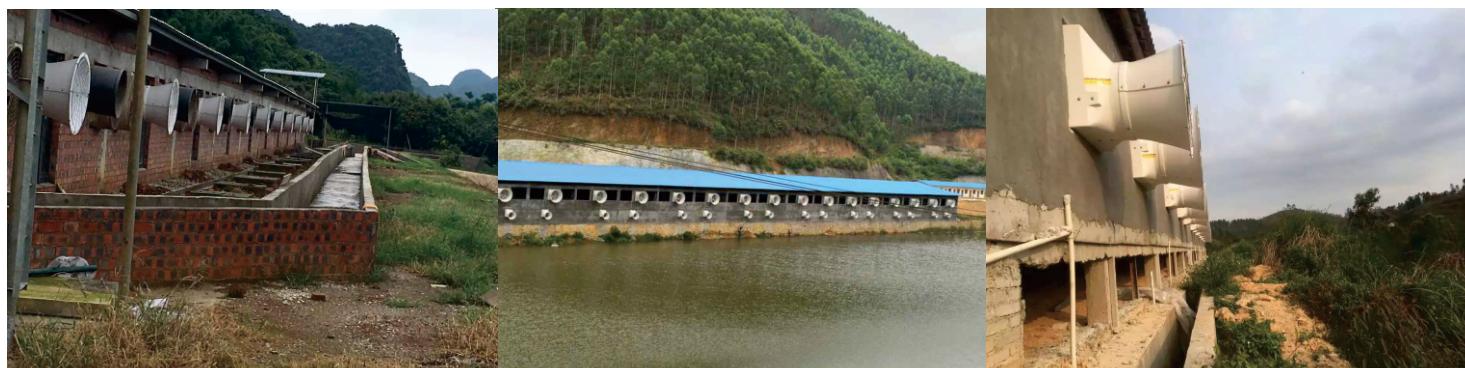


## FEATURE POINTS



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 (0.05" SP)	CFM/W (0.10" SP)	CFM/W (0.15" SP)	CFM/W (0.20" SP)	AFR (0.20"/0.05")	Drive	Blade	Test ref #						
81-0768-0	24"	0.38	230	3.01/2.80	50/60	var	0.55	1625	7140	13.0	6770	12.3	6460	11.7	6100	11.1	5570	10.1	82%	6/DD	NL	topcool
81-0411-0	18	0.25	230	2.40/2.16	50/60	var	0.40	1625	4200	10.5	4000	10.0	3780	9.5	3570	8.9	3360	8.40	84%	6/DD	NL	topcool

\*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.

Additional information is available at [www.topcool.co](http://www.topcool.co)

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Representative:

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