



# Exhaust fan GF84"

Stay cool with topcool



**Name: Exhaust fan GF84**

**Size: 84"**

## Detail product:

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

## Optimum application:

84" composite fiber exhaust fan is the optimum solution for dairymen. This fan offers superior performance and good efficiency.

## Other environment:

Ideal for ventilation of tunnel or cross in dairy, poultry, swine, greenhouse and industry.

## TOPCOOL FEATURES:

### Housing:

1. Made with reinforced composite fiber, high density, durable, sturdy, and corrosion free.
2. Thicker layer of U.V. protection on composite surface.
3. Extra layer of resin inside gives smooth surface for easy maintenance and cleaning.
4. Air flow design to maximize the efficiency.
5. Slanted design projects keep moisture away from inside of building.
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 encourage free air flow.

### Support and frame:

1. Built in central I beam steel support, fixed inside housing and attached on top and bottom of wall, this design provides a strong

- vertical support that aligns the propeller centered in the orifice for maximal performance.
2. Motor is fixed on quick attachment slider motor base.
  3. #304 stainless steel hardware.

### Propeller:

1. Heavy duty high precision bearing assembled with double protection seal and special "TOPCOOL" grease.
2. Shaft is fixed on quick base mount
3. Blades are made with 5 mm thicker aluminum alloy.
4. Belt: super high efficient moulded notch model XPZ.
5. Inner belt tensioned is standard with large diameter pulley.
6. Long belt, can be changed easily around the paddle "Quick change belt".

### Guard:

1. Heavy gauge zinc plated wire with powder coating finishing to prevent corrosion.

### Shutter:

1. Design to lower air flow resistance

with preventing back drafts.

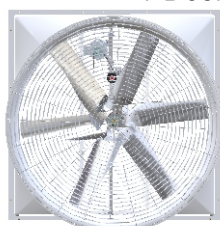
2. Easy to remove intake shutter with the "Topcool shutter clip".

### 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.
4. 3 phase standard motors are variable with (VFD) in option.

### Optional accessories:

1. Motor 1 phase or 3 phase.
2. OSHA safe guard.
3. Thermal protection.
4. Variable frequency drive (VFD).
5. Winter board inserts (replace the shutter during winter, if the fan is not required to be operated).
6. Long cone.
7. No cone /guard fixed on housing tunnel.
8. Aluminum Shutter.
9. Wire guard intake (no shutter).
10. Other configuration available on request.



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**TOPCOOL VENTILATION EQUIPMENT CO., LTD.**

Tel : 0086-757-88861830 website : [www.topcool.co](http://www.topcool.co)

Fax : 0086-757-88861828 E-mail : [info@topcool.co](mailto:info@topcool.co)



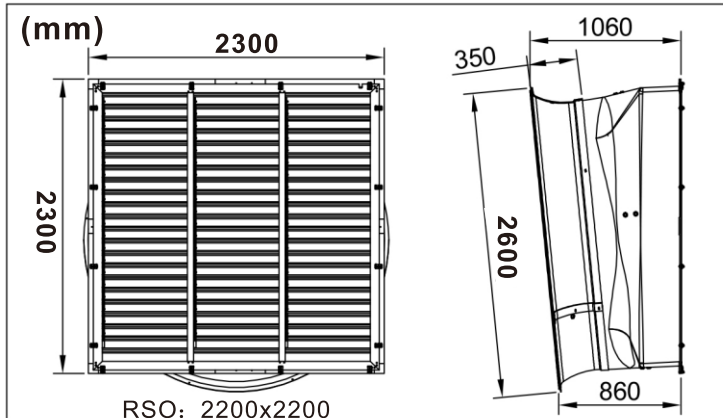
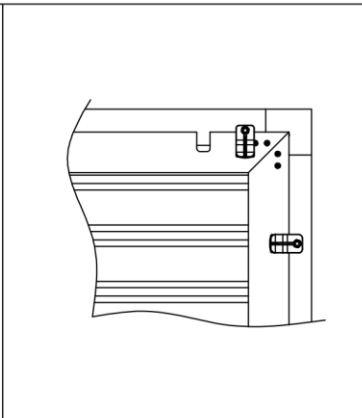
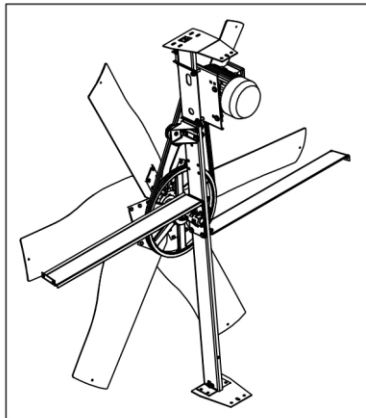


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## FEATURE POINTS



## PICTURE APPLICATION



\*Picture for reference only.

## CONFIGURATIONS & PERFORMANCE DATA

Topcool Parts no:	Nominal size	Power (kw)	Volts	AMPS	Hz	Spd	Kw input	RPM	m <sup>3</sup> /Hr (0Pa)	m <sup>3</sup> /W	m <sup>3</sup> /Hr (10Pa)	m <sup>3</sup> /W	m <sup>3</sup> /Hr (25Pa)	m <sup>3</sup> /W	m <sup>3</sup> /Hr (30Pa)	m <sup>3</sup> /W	m <sup>3</sup> /Hr (50Pa)	m <sup>3</sup> /W	AFR (0.2"/0.05")	Drive	Blade	Testref#
81-5002-0	84"	4.0	400	8.5	50	1450	4050	390	104,770	44.3	98,795	39.7	91,753	35.3	83,794	31.3	75,930	27.4	77%	BD	Alu	Topcool

\*Kw input power at 0" in. wg static pressure.

\*Performance certified is for installation type A – Free inlet, Free outlet.

\*Speed (RPM) shown is nominal. Performance is based on actual speed of test.

\*Performance ratings include the effect of inlet shutter and outlet guard.

\*Other configuration are available.

\*For complete description and detail please call now.

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

The products show in this brochure are covered by a limited warranty.

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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