

# FanAir



# About us

We FanAir India Pvt Ltd as one of the leading and Pioneer Manufacturers, Engineers and Equipment & Service Providers of Air Management Equipments in the field of HVAC Industry & as a group, company was incorporated in the year April 2003 as manufacturers of Complete Air Management Solution Products - to carry forward the Ancestral tradition to stick to the technical trade/business/profession in one form or the other Since then it has never looked back and has become a name to reckon with in the manufacturing of comprehensive range of Air Management Solution Products mainly pertaining to HVAC industry.

We are manufacturing Pre-Fabricated Ducts, Axial Flow Fans, Forward Curved Blowers, and Centrifugal blowers, Backward Curved Blowers, Plug Fan, Jet Fans, Smoke Exhaust, Kitchen Exhaust Unit, Wet Scrubber, Dry Scrubber, Air Washers & Air Curtains etc...

Keeping in view our dedication, sincerity, hard work and over and above our aim to create a quality product, enabled us to overcast the market. We firmly believe that the best quality products can only be developed through technical advancement; updated machinery; skilled workforce and professional approach including stringent initial raw material inspection, stage wise inspection and the final checks prior to dispatch of each and every product.

We have a team of highly experience engineers who have vast experienced, integration of technology, expertise, business trust, quality of product, integrity, team work, customer oriented & accountability, unrelenting efforts carve a niche of excellence for customers.

We are pleased to work with you for your project and get associated for a mutually beneficial relationship.

## Our Aim

To rank and stay within top Indian companies engaged in our sector by delivering quality products.



## Research & Development

Ensuring proper feedback from every nook & corner is we aim for. Everyone in all segments, in the chain provides input which is very vital for research and development. This participation helps us to iron out every unaddressed issue.

## Our Strengths

- ☐ High grade raw material.
- ☐ Leadership in product innovation.
- ☐ Continuous R & D of products
- ☐ Optimum functionality
- ☐ Highly efficient, Low- Cost manufacturing.
- ☐ Energy saving features

## Our Vision

We would like to be the most reliable & innovative manufacturer of blowers & HVAC products as regarded by our customers globally.

## Our Mission

We will work as a team with full dedication towards achieving operational excellence and thus strive for value creation for our customers.

## Our Quality Policy

The right way is to use experts is every step of the way - to research rigorously, in - depth and apply punctilious detail to tried and trusted methods, examining the special technical characteristics of every single project and to anticipate problems, whether apparent or unseen. Due to our tight quality control specialists, we have received the ISO 9001 : 2015 certification and assure the quality of our products.

## New Facility

Our new state-of-art manufacturing setup spreads over 110000 sqft at Ghiloth Industrial area, RIICO, Neemrana, Rajasthan.



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# Air Movement & Control Association International, Inc.

The International Authority on Air System Components Since 1917

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## Fanair India PVT LTD

January 2015

Member Since

  
Executive Director

# Certificates

# Certificate of Registration

This is to Certify that  
Quality Management System of

## FANAIR INDIA PVT. LTD.

A-9, RIICO INDUSTRIAL AREA, GHILOT, DIST. ALWAR - 301401,  
RAJASTHAN, INDIA.

has been assessed and found to conform to the requirements of  
**ISO 9001:2015**  
for the following scope :

MANUFACTURER OF FORWARD CURVED BLOWERS (AMCA CERTIFIED),  
BACKWARD CURVED BLOWERS, AXIAL FANS, CABINET INLINE FAN, PLUG FANS,  
JET FAN, KITCHEN EXHAUST FAN, AIR HANDLING UNIT, AIR WASHER,  
FAN COIL UNIT, DRY & WET SCRUBBER, TREATED FRESH AIR UNIT,  
FAN SECTION, CIRCULAR INLINE FAN, CABINET INLINE FAN, PRE FABRICATED DUCT,  
AIR DISTRIBUTION PRODUCTS, HVLS FANS, TURBO VENTILATION FANS,  
FILTERS - PRE/FINE/ HEPA.

|                           |              |                |              |
|---------------------------|--------------|----------------|--------------|
| Certificate No            | : 20IQFV22   |                |              |
| Initial Registration Date | : 19/08/2020 | Issuance Date  | : 19/08/2020 |
| Date of Expiry            | : 18/08/2023 |                |              |
| 1st Surve. Due            | : 19/07/2021 | 2nd Surve. Due | : 19/07/2022 |

  
**Director**



**ACCREDITED**  
Management Systems  
Certification Body  
MSCB-119



**AQC MIDDLE EAST FZE.**

Head Office: E1-1401 E Amber Gem Tower, Sheikh Khalifa Bin Zayed Road, 2, Ajman, UAE. e-mail: [info@aqcworld.com](mailto:info@aqcworld.com).

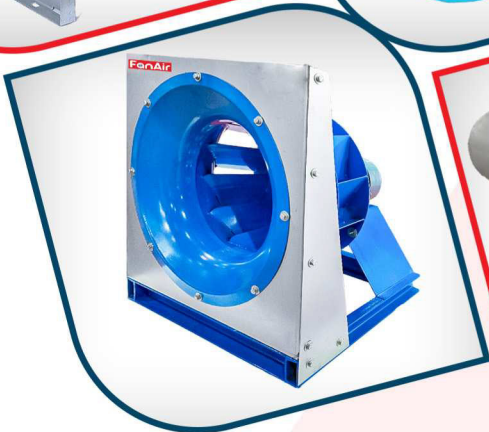
Key Location: 403, Madhuban Building, 55, Nehru Place, New Delhi-110019, India.

\*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (in case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn).

**Certificate Verification:** Please Re-check the validity of certificate at <http://www.aqcworld.com/activeclients.aspx> or [www.aqcworld.com](http://www.aqcworld.com) at Active Clients.  
Certificate is the property of AQC Middle East FZE and shall be returned immediately when demanded



# Product Overview



# AXIAL FLOW FANS



**FAXF**



**FAXF-H**



**FAXF-B**



**FAXF-B**

# Introduction

Axial fans as the name implies, move an airstream along with the axis of the fan. The air is pressurised by the aerodynamic lift generated by the fan blades, much like a propeller or an air plane wing. They have less rotating mass and are compact. They are frequently used in providing general ventilation, fume exhaust and removal of hot spots.

## Features

- + High performance
- + Low sound
- + Non overloading characteristics
- + Suitable for high pressure range
- + Aerofoil blades with higher lift coefficient
- + Performance flexibility with adjustable blades
- + 100% X-Rayed impellers
- + Dynamically balanced at grade of G2.5
- + Compatible with variable frequency drives
- + Die cast aluminum hub and blades
- + Rugged construction with spun flanges.

## Application

- + General Ventilation
- + Fume Exhaust
- + Basement Ventilation
- + Removal of hot spots
- + Tunnel Ventilation
- + Industrial Process Applications
- + Staircase and Liftwell Pressurisation

## ACCESSORIES

### Inlet Bell

An inlet bell is used to boost the flow rate by 10% - 15%. It will increase the fan efficiency and reduce noise level considerably.

### Guide Vanes

The flow of air past an axial flow fan wheel has a helical pattern. It is the function of guide vanes to eliminate or atleast reduce the air spin past the fan blades. We provide two ways of guide vanes which are as follows

1. Outlet Guide Vanes
2. Inlet Guide Vanes

### Bird Screen

FanAir offers bird screen made of mild steel material which doesn't allow the entry of foreign material and prevents unwanted accidents.

### Louver

FanAir offers transition cones for all of its axial fans equipped with some longitudinal vanes to prevent an excessive spin.

[www.fanair.in](http://www.fanair.in)

## Canvas Connection

FanAir offers canvas connection to dampen the transmission of vibrations from the fan of the system. We also offer fire proof canvas connection for high temperature applications.

## CONSTRUCTION FEATURES

### Blades

FanAir manufactures a die cast aerofoil blades from sizes to 300-1600 mm diameter. The impellers are made of LM6 aluminium alloy for high strengths and low weight impeller for high rotational speed low sounds level. The impellers are designed for adjustable pitch to provide performance flexibility.

### Hubs

FanAir offers the hubs of various diameters and blade configuration for different applications providing high efficiency low noise for the respective applications. These are designed ensuring strength and high performance to provide economical and optimized solution. These are designed with a taper lock bush to ensure a fine grip between the hub and the motor shaft and also for easy handling while assembling and dismantling.

### Casing

FanAir offers casings with a spun flanges on both ends fabricated from mild steel plates. Fans are available with different mounting arrangement offering varied choices to the customer.

### Motor

The standard AC motors are totally enclosed fan cooled (TEFC), squirrel caged induction type suitable for ambient temperature upto 400°C. FanAir also offers class H and high temperature motor as well as flame proof, vapour tight and other motor. We can supply VED compatible motor on the client's request.

## **FAXF Series**

Normal Tube Axial Flow Fan Direct Drive Type

### **Specification**

**Size :-** 315 mm to 1600 mm

**Capacity :-** upto 1,30,000 CHM

**Static Pressure :-** upto 60 mmwg

**Impeller :-** Adjustable pitch impeller

Suitable for car parking basement ventilation, tunnel ventilation, lift & staircase pressurization & industrial ventilation



## **FAXF H Series**

Smoke Exhaust Tube Axial Flow Fan Direct Drive Type

### **Specification**

**Size :-** 315 mm to 1600 mm

**Capacity:-** upto 1,30,000 CHM

**Static Pressure :-** upto 60 mmwg

**Impeller :-** Adjustable pitch impeller

Fire Rtd for 400 Deg C 30 min, 300 Deg C 2Hrs & 250 Deg C 2Hrs. Suitable for car parking basement ventilation, tunnel ventilation, lift & staircase pressurization & industrial ventilation

## FAXF B Series

Normal Tube Axial Flow Fan Belt Drive Type

### Specification

**Size :-** 315 mm to 1600 mm

**Capacity:-** upto 1,30,000 CHM

**Static Pressure :-** upto 60 mmwg

**Impeller :-** Adjustable pitch impeller

Suitable for car parking basement ventilation, tunnel ventilation, lift & staircase pressurization & industrial ventilation



## FAXFB Series

Bifurcated Axial Flow Fan Direct Drive Type

### Specification

**Size :-** 315 mm to 1600 mm

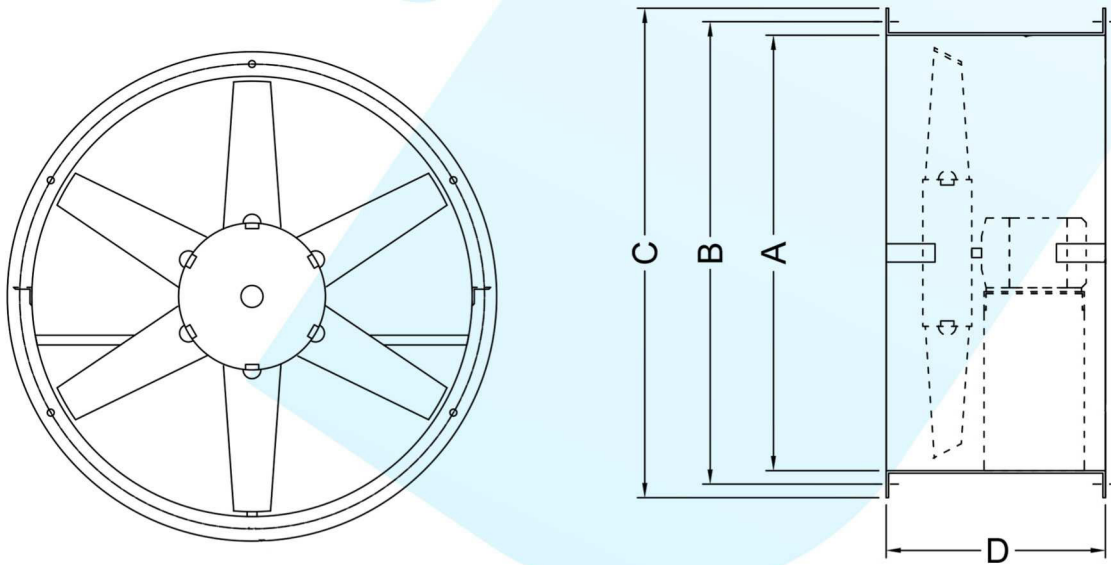
**Capacity:-** upto 1,30,000 CMH

**Static Pressure :-** upto 40 mmwg

**Impeller :-** Adjustable pitch impeller

Suitable for Chemical Industries, Fume Industries etc.

# Technical Details

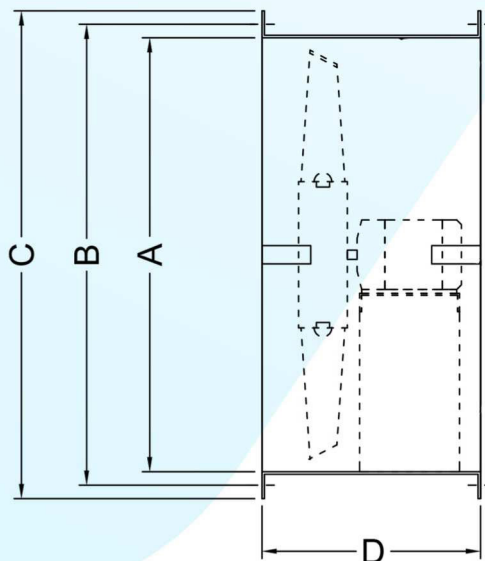
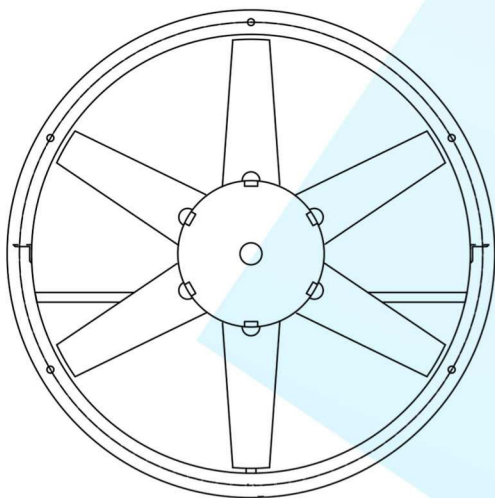


## FAXF - 315-1600

| Fan Dia A | Casing Width c | Flange Width | Casing Thickness | Flange Thickness |
|-----------|----------------|--------------|------------------|------------------|
| FAXF 315  | 355            | 40           | 2                | 2                |
| FAXF 355  | 355            | 40           | 2                | 2                |
| FAXF 400  | 355            | 40           | 2                | 2                |
| FAXF 450  | 500            | 40           | 2                | 2                |
| FAXF 500  | 500            | 40           | 2                | 2                |
| FAXF 560  | 500            | 40           | 2                | 2                |
| FAXF 630  | 500            | 40           | 2                | 2                |
| FAXF 710  | 500            | 40           | 2                | 2                |
| FAXF 800  | 560            | 40           | 2                | 2                |
| FAXF 900  | 630            | 50           | 2.5              | 2.5              |
| FAXF 1000 | 630            | 50           | 2.5              | 2.5              |
| FAXF 1000 | 1000           | 60           | 2.5              | 2.5              |
| FAXF 1120 | 900            | 60           | 2.5              | 2.5              |
| FAXF 1250 | 1000           | 60           | 3                | 3                |
| FAXF 1400 | 1120           | 60           | 3                | 3                |
| FAXF 1600 | 1250           | 60           | 3                | 3                |

\* All dimensions are in mm and it may vary at the time of production

# Technical Details

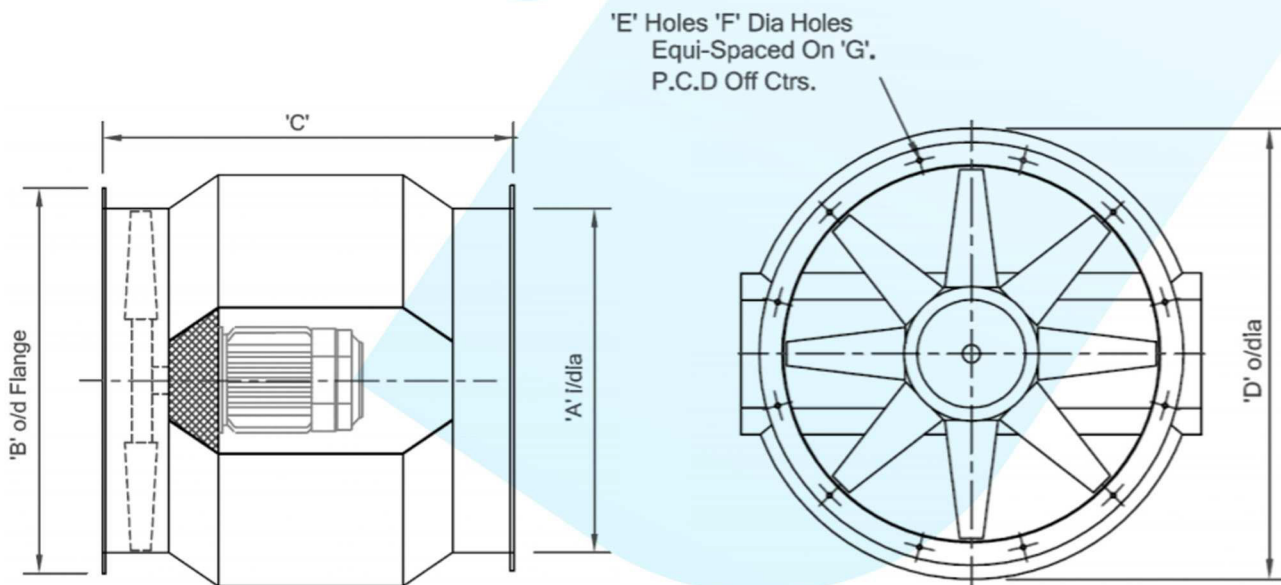


## FAXF H - 315-1600

| Fan Dia A   | Casing Width c | Flange Width | Casing Thickness | Flange Thickness |
|-------------|----------------|--------------|------------------|------------------|
| FAXF H 315  | 355            | 40           | 2                | 2                |
| FAXF H 355  | 355            | 40           | 2                | 2                |
| FAXF H 400  | 355            | 40           | 2                | 2                |
| FAXF H 450  | 500            | 40           | 2                | 2                |
| FAXF H 500  | 500            | 40           | 2                | 2                |
| FAXF H 560  | 500            | 40           | 2                | 2                |
| FAXF H 630  | 500            | 40           | 2                | 2                |
| FAXF H 710  | 500            | 40           | 2                | 2                |
| FAXF H 800  | 560            | 40           | 2                | 2                |
| FAXF H 900  | 630            | 50           | 2.5              | 2.5              |
| FAXF H 1000 | 630            | 50           | 2.5              | 2.5              |
| FAXF H 1000 | 1000           | 60           | 2.5              | 2.5              |
| FAXF H 1120 | 900            | 60           | 2.5              | 2.5              |
| FAXF H 1250 | 1000           | 60           | 3                | 3                |
| FAXF H 1400 | 1120           | 60           | 3                | 3                |
| FAXF H 1600 | 1250           | 60           | 3                | 3                |

\* All dimensions are in mm and it may vary at the time of production

# Technical Details



## FAXFB - 315-1250

| Fan Size    | A    | B    | C    | D    | E  | F  | G    |
|-------------|------|------|------|------|----|----|------|
| FAXF H 315  | 315  | 379  | 610  | 560  | 8  | 10 | 355  |
| FAXF H 355  | 355  | 434  | 650  | 600  | 8  | 12 | 395  |
| FAXF H 400  | 400  | 484  | 680  | 600  | 8  | 12 | 450  |
| FAXF H 450  | 450  | 535  | 790  | 735  | 8  | 12 | 500  |
| FAXF H 500  | 500  | 584  | 790  | 735  | 12 | 12 | 560  |
| FAXF H 560  | 560  | 644  | 800  | 760  | 12 | 12 | 644  |
| FAXF H 630  | 630  | 714  | 800  | 760  | 12 | 12 | 690  |
| FAXF H 710  | 710  | 794  | 800  | 900  | 16 | 12 | 770  |
| FAXF H 800  | 800  | 908  | 1000 | 1000 | 16 | 12 | 860  |
| FAXF H 900  | 900  | 1033 | 1250 | 1200 | 16 | 15 | 1070 |
| FAXF H 1000 | 1000 | 1133 | 1250 | 1250 | 16 | 15 | 1070 |
| FAXF H 1120 | 1120 | 1253 | 1400 | 1450 | 20 | 18 | 1190 |
| FAXF H 1250 | 1250 | 1406 | 1600 | 1600 | 20 | 18 | 1320 |

\* All dimensions are in mm and it may vary at the time of production



# MAKE IN INDIA

## FanAir India Pvt. Ltd.

|                     |                                                                                           |
|---------------------|-------------------------------------------------------------------------------------------|
| <b>Sales Office</b> | :- 115, 1st Floor, Aggrawal City Square, Sector-2, Rohini, Delhi-110085                   |
| <b>Factory</b>      | :- A-09 Ghiloth Industrial Area (RIICO), Thesil- Neemrana, Distt. Alwar, Rajasthan-301706 |
| <b>Mobile No.</b>   | :- 9811347199, 9811937730, 9811322337, 9814936793                                         |
| <b>Phone</b>        | :- +(91)-(11)-46021317                                                                    |
| <b>E-mail Id.</b>   | :- sales@fanair.in                                                                        |
| <b>Website</b>      | :- www.fanair.in                                                                          |