Aero Tech®
An ISO 9001:2008 Company

Our other Range of Products & Systems


Axial Flow Fan


Centrifugal Blower


Natural Turbovent


BIFURCATED FAN


Air Washer/ Air Cooling Unit


Wet Scrubber


Dust collector

Our Eminent Clients

I.T.C. Limited | JAKSON empowering People | Radico | SUN PHARMACEUTICAL INDUSTRIES LTD. | PAHARPUR | HAVELLS | Mahindra Ugine Steel Limited | Nirula's | Supreme | Hindustan Unilever Limited | moserbaer | NEW HOLLAND AGRICULTURE | parag | ORGANOSYS | RANBAXY LABORATORIES LIMITED | asianpaints

Aero Tech®
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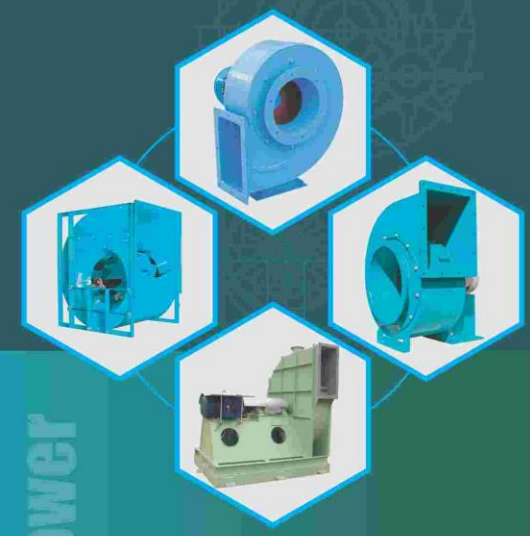

Blower

The Leader...
in Industrial Fan, Air Pollution & Ventilation Applications

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About Us :

Aero Tech has total capability in designing, supply, erection and commissioning of air pollution control equipments and ventilation systems. However, in this brochure only industrial centrifugal blowers have been covered. The company has got a team of engineers trained to develop & design specific blowers depends on the application.

We believes in quality, performance and to complete the task in stipulated time. The unit is backed by its modern and complete facilities manned by experienced engineers and skillful plant personnel.

Aero Tech industrial centrifugal blowers have been in great demand because of their quality, reliability and efficiency, backed by vast experience of their quality professionals, in this field.

Aero Tech industrial centrifugal blowers have wide range of applications in various industries such as Power Plants, Automobiles Industry, Foundries etc.

Aero Tech Centrifugal Blower :

Aero Tech Centrifugal Fans are well engineered, high efficiency, Low noise air moving blowers, are manufactured with latest machineries to meet the requirement of process / clean air handling applications in Foundry, Power Plants, Engineering Industries and Cement Producing Plants.

These Fans are provided with single and multiple (Parallel or series operation) impellers to suit wide range of air discharge and pressure development combinations.

These Fans are made in a wide range of impeller sizes varying from 200 to 2750mm diameter having air-handling capacities of 500CMH to 3,00,000CMH, while the pressure developed by the fan could be as high as 1500 mm WG (Reference air/gas density of 1.20 Kg./cu.mtr.).

These Fans can be fabricated in Mild Sheet Steel/ SS-304/ SS-316-L/ SS-310/ Aluminum alloy & FRP Coated at reasonably higher thickness. We provide exclusive surface finishing & coating such as Hard Chrome grounded Shaft, Enamel/ Epoxy / PU/ Rubber seal paints.

Types of Fans :

- High Volume Limit Load Blowers (SISW Backward Curved Type)
- High Volume Limit Load Blowers (DIDW Backward Curved Type)
- Low Pressure Blowers
- Plug Fans
- Medium Pressure Blowers (Backward Curved Blades)
- Medium Pressure Blowers (Self Cleaning Blades)
- Medium Pressure Blowers (Straight Radial Blades)
- Induced & Forced Draft Fans
- High Pressure Blowers
- Two Stage Blowers

Aero Tech Limit Load Blowers :

These centrifugal air blowers are used where a large quantity of air at relatively low static pressure is required. These blowers finds applications in general purpose ventilation, air handling unit etc. and are available in SISW & DIDW construction. The low pressure centrifugal air blowers finds applications for wide variety of machineries as fitted by OEMs such as textile machine manufacturers, powder coating plants etc.


Low Pressure Fan


Backward Curved Impeller

The Figure Below Show Aero Tech Fan Impellers


Limit load Blades


Backward Curved Blades


Backward Curved Self Cleaning Blades

TYPE
ACLL-S (Single Inlet)
ACLL-D(Double Inlet)
APPLICATION
AIR CONDITIONG
AIR COOLING
VENTILATION
PRESSURISATION

TYPE
ACBL, AMBM, AHBM, AHBH
APPLICATION
FORCED VENTILATION
MOTOR VENTILATION
DRYING APPLICATION
WIRE DRAWING-MACHINES
DUST PROOFING

TYPE
AMRL, AMRILAHRM
APPLICATION
BOILERSFOUNDRIES
WELDING SHOPS
PHARMACEUTICALS
CHEMICAL ENGINEERING
INDUSTRY AUTIOMOBILES

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Aero Tech Centrifugal Blowers - Static Pressure - Range

LIMIT LOAD		BACKWARD CURVED		BACKWARD CURVED WITH RADIAL TIP	
TYPE	TOTAL PRESSURE mmWG	TYPE	TOTAL PRESSURE mmWG	TYPE	TOTAL PRESSURE mmWG
AELL-D/S Class I	75	AEBL	100	AMRL	300
Class II	150	AMBM	450	AMRM	600
Class III	200	AHBM	800	AHRM	900
Class IV	375	AHBH	1200		

Material of Construction :

Blowers with FRP lining can be offered where necessary.

Standard : Mild sheet steel, Carbon steels and plates.

On request : Stainless steel, Carbon steel and Aluminum construction can be offered.

Industrial Purpose Medium Pressure Fan -

These SISW blowers are used in various applications covering dust extraction / fume extraction and are widely used in cyclone separators, bag house dust collectors, both inlet and outlet are flanged to receive duct connections.

Induced Draft Fan

Medium Pressure Fan

The ID & FD fans :

These Fans are carefully designed to meet ideal requirement for various industrial applications. Aero Tech, 3 basic type of fans in 23 sizes are made in heavy duty construction with statically & dynamically balanced impellers which gives trouble free performance. Available air delivery 500 cum/hr.- 1,50,000 cum/hr. These models consist of completely backward curved, backward curved with self cleaning and straight blades.

Industrial Purpose High Pressure Fan

These SISW blowers meets the highest range of pressure upto 1200 mm Wg which can be achieved by using a centrifugal action. These are extremely used in wide variety of applications such as glass plant, furnaces, high pressure dust extraction systems, boilers, incinerators etc.

All the above mentioned models are made in various bill of materials such as Mild steel, stainless steel, Fibre glass reinforced plastic coated etc to meet various levels of operating temperature, corrosive nature, dust particle effect etc, the blade geometry and the air delivery angle is made as per site specific requirements as explained in our business catalogues pages.

Medium Pressure Blower

High Pressure Blower

FD FAN

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Centrifugal Blower

Blower Drive Arr. & Orientation.

Blower Selection

To Enable us to select the right fan for your requirement, please send us the following information:

Air Quantity - m^3/h
Static Pressure - mmWG
Density of Air - Kg/m^3
Gas Flow Rate - m^3/h
Temperature - °C
Application - ?

Blower Application

Centrifugal Blower are widely used for Air Cooling Ventilation/Exhaust Systems, Dust Collection Systems, Fume Exhaust, Vacuum Cleaning, Clean Rooms, Journal Exhaust.

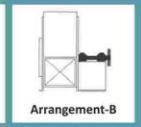
Industries

These Blowers are widely used in industries Auto Mobiles, Air Conditioning, Power & Cement Industries, Food & Agriculture, Minerals/Ore, Pharmaceutical, Fertilizers & Chemicals, Glass/Bulb/Lighting.

Blower Drive Arrangements A, B, C, & D

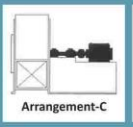
Arrangement-A

Blower wheel mounted directly on the motor shaft.



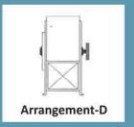
Arrangement-B

Blower wheel mounted on a shaft and supported by two bearing on one side mounted on the pedestal.



Arrangement-C

Blower wheel mounted on a shaft and coupled with drive motor.



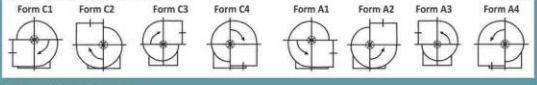
Arrangement-D

Blower wheel mounted on the shaft on bearing on each side..

Temperature
50° C to A 100° C to B 380° C (C and D with cooling jacket)

Rotation & Discharge Direction From Drive End

Clock-Wise From Drive End



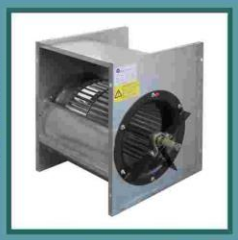
Clock-Wise F

* To be specialised while ordering

Centrifugal Blowers Forward Curved (AEFC Series)

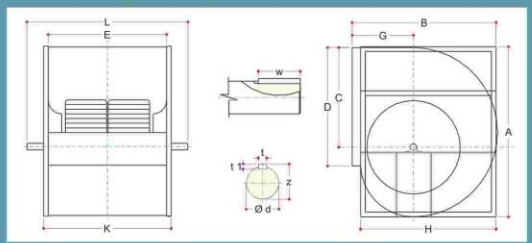
Double Inlet Forward Curved Centrifugal Blower The AEFC series Centrifugal Blower (Forward Curved) consist of Double Inlet Double Width (DIDW) centrifugal fans. These fans have forward curved impellers with forward curved blades having special profile to give you maximum efficiency at low noise levels. These impellers are statically and dynamically balanced. The fans are suitable for various applications, where high volume air displacement is required like Air Cooling, General Ventilation, Pressurization etc., in commercial process and industrial HVAC systems The AEFC series is available in type A where strong side frame (M.S.) in welded construction are provided to support the bearing and for wheel assembly.

Fan size : 500 to 1120
Volume : 1000 to 100000 m^3/h
Total Pressure : 100Pa to 1600 Pa



Centrifugal Blower(FC) (AEFC Series)

TYPE - A
MODEL AEFC-D (500 - 1120)



FAN Dia	A	B	C	D	E	G	H	K	L	t	t1	w	z	Ød
500	921	802	538	638	638	352	752	718	960	12	8	70	43	40
560	1033	894	603	714	714	390	846	814	1050	12	8	90	43	40
630	1160	1000	679	800	800	434	947	900	1170	14	9	90	48.5	45
710	1305	1122	765	898	898	484	1059	998	1285	14	9	90	54	50
800	1471	1256	862	1006	1006	540	1182	1106	1390	18	11	90	64	50
900	1651	1410	971	1130	1130	604	1321	1230	1570	18	11	90	64	60
1000	1813	1542	1066	1266	1266	656	1452	1366	1725	18	11	90	64	60
1120	2038	1727	1200	1422	1422	748	1632	1542	1900	22	14	110	80	75

Further technical requirement available on request.