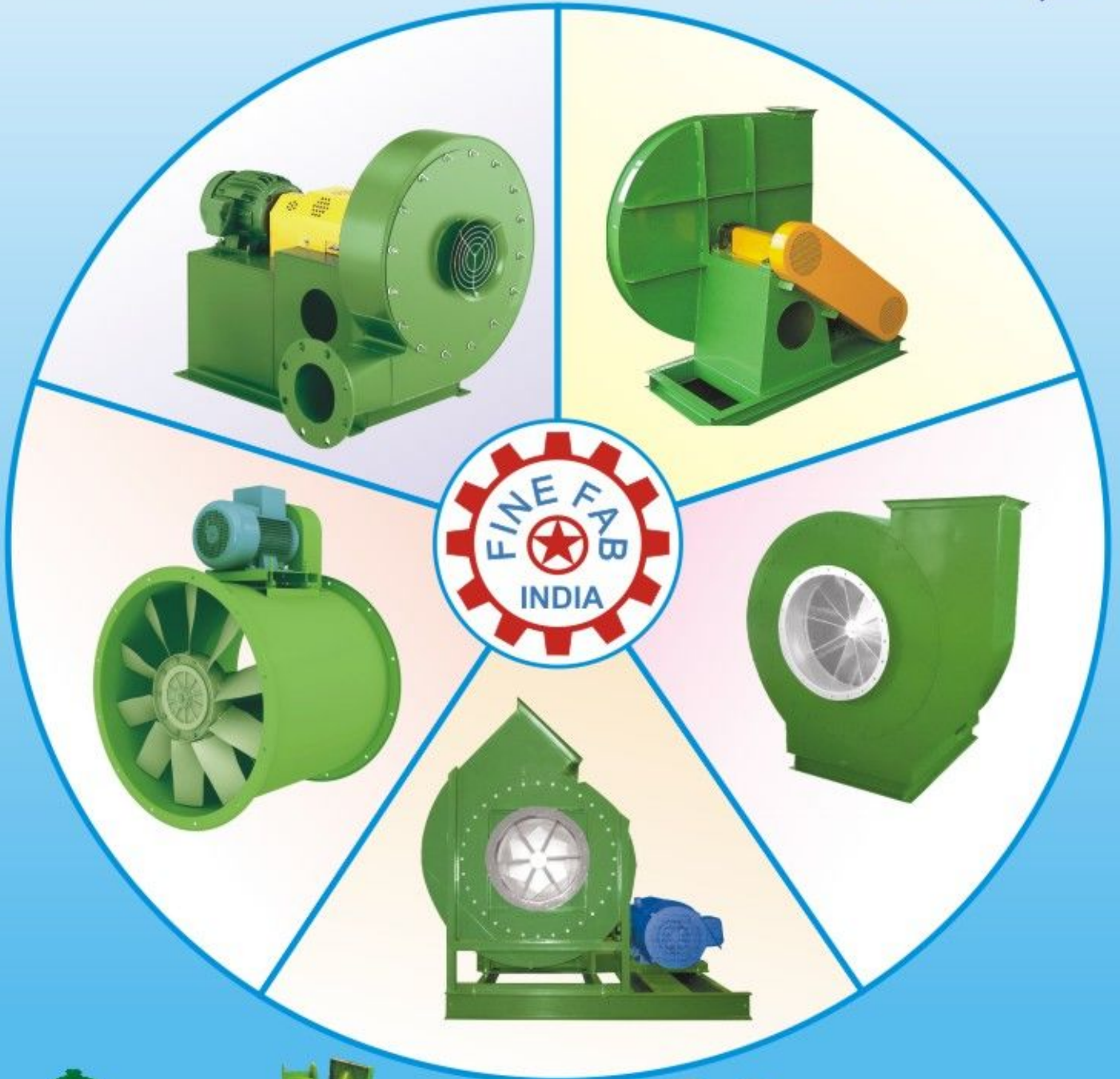




REAL MAKE BLOWERS

FINE FAB INDIA

The Blower People



DESIGNERS & MANUFACTURES :



FINE FAB INDIA, Coimbatore, INDIA.

Established in the year 1974 & based at Coimbatore, Fine fab India provides service for the industries in the field of air engineering. Our company is well known for Industrial blowers and fans. Our Blowers and systems are custom made to suit the specific requirements of the customers and to their complete satisfaction. We feel proud to say that our products are effective in utilization and also efficient in power.

OUR MERITS

- ❖ We design, manufacture and supply blowers & air engineering products to suit all kinds of industrial needs since 4 decades.
- ❖ Exceptional performance is assured for our blowers and our systems .
- ❖ Well educated and trained staff to provide the effective solutions based on the needs of industries.
- ❖ Fine quality of equipments and instruments are used for production and testing.
- ❖ Committed to provide energy efficient systems.
- ❖ Customer base across the country covering all kinds of industry.

OUR PRODUCTS

Our products are constructed with genuine raw materials to withstand centrifugal force, torque, thrust, vibratory and critical speeds and to provide adequate strength to stationary and rotating parts.

CENTRIFUGAL BLOWERS

Our Blowers are constructed to withstand centrifugal force, torque, thrust, vibratory and critical speeds and to provide adequate strength to stationary and rotating parts.

Casings are scroll welded on sides, supported on angle frames mounted on channel base frame. Fans are usually horizontal split casing type for removal of rotor wheel facility for servicing and replacement. Impellers are dynamically balanced. Refer the table given below for the performance characteristics of the blower.

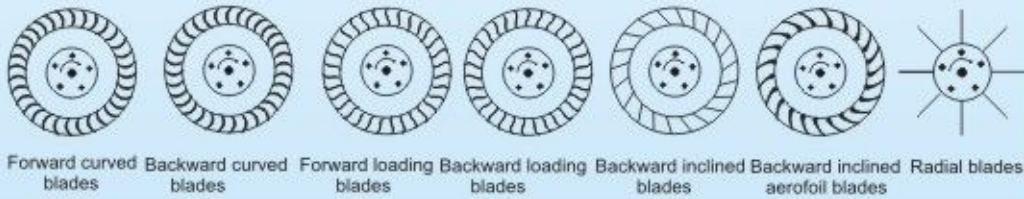
PERFORMANCE DATA CHART

"APPROXIMATE"

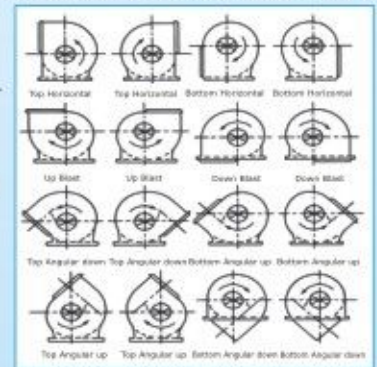
PRESSURE IN INCHES W.G	1"	2"	3"	4"	6"	8"	10"	12"	16"	20"	24"	28"	32"	36"	42"	48"	50"	60"	
MOTOR H.P.	APPROXIMATE CAPACITIES IN CUBIC FEET PER MINUTE AT N.T.P.																		
¼	700	450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
½	1520	820	520	420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1	3200	1620	1200	820	700	350	300	250	175	-	-	-	-	-	-	-	-	-	-
2	6100	3300	2150	1660	1100	750	550	500	350	300	-	-	-	-	-	-	-	-	-
3	8100	4800	3150	2460	1550	1100	1000	750	550	450	350	-	-	-	-	-	-	-	-
5	11500	7550	5550	4100	3100	1850	1650	1350	950	750	650	550	-	-	-	-	-	-	-
7.5	14550	10500	7500	5500	4500	3100	2550	2100	1450	1100	950	850	750	-	-	-	-	-	-
10	20200	13500	9750	7850	5550	4500	3550	3000	2500	1775	1500	1100	1000	900	-	-	-	-	-
12.5	27000	17500	12000	9550	6550	5000	4500	3500	2500	2000	1550	1400	1250	1000	900	-	-	-	-
15	33500	20500	15550	12500	8750	6550	5500	4500	3150	2570	2125	1750	1550	1450	1000	-	-	-	-
20	45100	20100	19525	15500	11500	7500	6500	5500	4520	3500	2750	2450	2150	1750	1450	1250	1000	-	-
25	49750	25000	19000	15750	12560	9750	8700	8000	5500	5250	3775	3000	2550	2525	2000	1750	1350	-	-
30	50000	26500	19750	17000	13550	10500	9500	8500	6500	5200	4100	3500	3000	2800	2250	2800	1500	-	-
40	55000	30000	25000	20000	16000	14000	12200	11550	8800	6550	5500	5000	4050	3500	3000	2550	2000	-	-
50	56000	32000	26000	20500	16250	14200	12400	12000	10500	8000	7050	6900	5550	5000	4000	3500	2500	-	-
60	-	-	-	-	-	-	-	-	11000	10000	8000	7000	6100	5750	5020	3050	2700	-	-
70	-	-	-	-	-	-	-	-	-	10000	9100	8300	7250	5500	4500	3200	2800	-	-
75	-	-	-	-	-	-	-	-	-	10000	9600	9000	7505	5800	4700	3500	3200	2000	-

Note: These specifications are commonly used in the industries. Specific requirements and higher ranges of blowers will be made after discussing and analyzing about the requirement.

CLASSIFICATION OF BLOWER BY IMPELLER DESIGN



Orientation of the Blower Outlet



UNIT CONVERSIONS

PRESSURE		
Inches WG	mm WG	Pa
1	25	250
0.04	1	10
0.004	0.1	1
VOLUME		
cfm	M3 / Min	M3 / Hr
1	0.028	1.7
35	1	60
0.58	0.017	1

Special Type of Blowers for Specific requirements		
Spark resistant	Abrasion resistant	Acid Resistant
Hardened	High temperature	FRP Made
Dust handling	Hot Air inlet/outlet	Flame Proof

Our Blower Range

Pressure : 20mm WG to 3000mm WG

Flow : 15 CMH to 1,50,000 CMH

Power: 0.25HP to 500HP

MATERIAL OF CONSTRUCTION

Mild Steel , SS316 , SS316L, Aluminum, PP , FRP

The selection of a centrifugal blower have to be made by considering all parameters of the site condition and characteristics of inlet air. We do this perfectly. This is the reason for our blower's better performance. We bring forth our years years of experience in manufacturing and supplying of Centrifugal Blower. Our Centrifugal Blower is manufactured by using quality checked components which we procure from our trusted vendors. Some of the types or classification of the centrifugal blowers that we manufacture are

High Pressure Blowers



Low Pressure Blowers



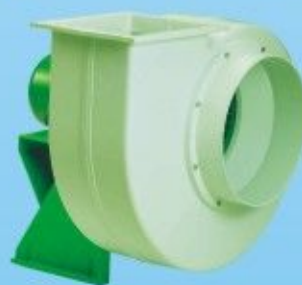
Forced Draft Fans



Induced Draft Fans



Hot Air Recirculation Blowers



Belt Driven Blowers- ID & FD



Plug Fans



DIDW Fans



SISW Fans



INDUSTRIAL BLOWERS

We are a leading manufacturer and supplier of Industrial Blower. Our Industrial Blower is known for its robust construction, excellent designs, longer service life and optimum performance.

Twin/ Tri Lobe Blowers



Known as "Positive Displacement Blowers" having reliable performance with oil free air.

Applications

Aeration / Aqua culture
Effluent/Sewage treatment plants
Blending ,Drying and Fluidization
Electro plating and processing
Vacuum Moulding
Pneumatic Conveying

Specification:

Air volume :5 CMH to 7400 CMH
Pressure :0.1kg/cm² to 0.7kg/cm²

Cupola Blowers



This series of blower is widely used in 0.5-20 tons of furnace. This features with high efficiency, low noise, smooth performance curve and power saving, convenient usage and maintenance, stable and reliable operation, etc.

Specification:

Air volume : 5 CMH to 7400 CMH
Pressure : 0.1kg / cm² to 0.7 kg / cm².

Turbine Blowers



Commonly used to fix up with the required flow and pressure characteristics. They deliver clean, oil-free air without pulsations. Many options are available: TEFC or explosion-proof motors; one-phase or three-phase power; 50 or 60 Hz operation

Maximum performance characteristics:

645 cfm (1096 m³/hr volume,
3.9 psi (27 kPa) pressure and
7.6" Hg vacuum.

AXIAL FLOW FANS

We provide the high airflow fans for the ventilation and cooling application for various areas of industries and other general areas such as Auditorium , Halls and Kitchen of houses etc.,.



Tube axial fans



Vane axial flow fans



Mixed flow fans



Propeller fans

DUST COLLECTORS

Using our rich industrial experience, we are involved in manufacturing and supplying of Dust Collector Equipment. Our Dust Collector Equipment is extensively used for different industrial purposes.

Wood Dust Collectors



We design the dust collection systems to collect the wooden dusts from modern wood processing machinery. That are effective in suction performance and robust in construction. Systems will be concluded by analyzing the size of dust ,Quantity of Dust ,No.of Suction points ,Distance between the points and Lay out the machinery .

Consult with us for Technical Specification.

Cyclone Dust Collectors



Cyclone dust collectors can be used as pre-separators to reduce the dust load reaching the final filter, or as protective devices to remove large hot particles from the gas or air stream. The cleanliness of the exhaust air depends on the size of the dust inlet. Suitable filtration systems are provided along with the cyclone to ensure the cleanliness of air exhaust.

Consult with us for Technical Specification.

Metal Dust Collectors



This systems are especially designed for handling the metal dust and scraps safely and effectively from Machining, Grinding, Polishing & buffing processes. Scrap size, shape and form are carefully handled in this systems. Single or multiple suction points are possible to operate and continuous dust disposal with manual or automated systems are the optional advantages.

Consult with us for Technical Specification.

Wet Scrubbers



This system may be utilized with the blower and/ or Dust collection system. By wet scrubber we can control fumes, odors, smoke and small contaminants present in the air stream. Various types and models are wet scrubbers are available and utilized depending on the application and type of the industry.

Central Dust Collectors



Effective and economical solution for line production units which generates continuous dust from various locations. Main advantage of this system is relatively little space that is taken up at the location of the dust source and multiple dust collection points can be connected to a single Dust collection system. Automatic cleaning , Automatic dust disposal and Dust recycling can be done effectively.

Portable Dust Collectors



Economic way to collect the dust from various locations , these systems are developed. These are mounted on wheels and can be utilized all locations of the entire plant by moving around. As this simple and small system , it can be moved in between the tiny places of machinery too.

FUME EXTRACTORS

We offer the range of fume / smoke extraction and treatment systems for various needs.

Portable Welding Fumes Extraction system



Very much effective system to extract all kinds of welding fumes from the processing area itself without disturbing the welding process. Various options are available for the selection of the system according to the area of coverage and cleanliness of the air emission required. Single or multiple welding stations may be connected to a common extraction system.

Consult with us for Technical Specification.

Down draft table



To place and perform the required finishing process along with dust collection facility, we offer down draft table. Dust generated while the processes carried out at the top of the table will be extracted, filtered and stored at the bottom of the table. Very much useful for the operations such as grinding, buffing, polishing etc.,

Consult with us for Technical Specification.

Table top Soldering Fumes extraction system



Compact and powerful extraction can be used for single user soldering station. Low power, high efficient extraction and filtration. It controls odors and fines in the air stream.

Centralized Welding Fumes Extraction system



Here we can cover the complete welding lines of the industry with a single extraction system by providing suction pipelines to the required destinations. Easy to maintain and comparatively space utilization is more. Treatment of the fumes and capacity are having various options according to the required utilization.

Consult with us for Technical Specification.

Centralized Soldering Fumes extraction system



Here we can cover the complete soldering lines of the industry with a single extraction system by providing suction pipelines to the required destinations. Easy to maintain and comparatively space utilization is more. Treatment of the fumes and capacity are having various options according to the required utilization.

Consult with us for Technical Specification.

Ducting / Pipelines



Duct Line Wye branch Diverter Hoods

Pipes, tubes, bend, joint diverter branching hoods

We design and fabricate all types of ducting/pipe lines of square / rectangular or circular shapes.

Kitchen exhaust systems



We provide a solution to exhaust the smoke and hot air from the cooking processes in kitchen. As the natural draft created inside, fresh air flow is being smooth inside the process area. This increases the comfort to the staff and good working atmosphere will be maintained.

Consult with us for Technical Specification.

Furnace fume extraction systems/ Acid Fume extraction



Fumes from the furnaces will contain dirt and heat. To ensure the safety and fine working atmosphere, these systems are utilized in industries. Systems exhausts fume and fine dirt too. Air can be treated and exhausted as per the emission level required.

Consult with us for Technical Specification.

IMPELLERS & SERVICES

We design and fabricate the impellers as per the specification required. Various types of impellers can be fabricated to retrofit Services. We do repair and balancing of impellers for the blowers and systems.



OUR OTHER PRODUCTS

- ◆ Air Handling Units
- ◆ Pneumatic conveyors
- ◆ Vacuum cleaners
- ◆ Vacuum chambers / High vacuum systems
- ◆ Air knives
- ◆ Air floating Beds
- ◆ Air drying systems
- ◆ Mist / Fog Extractors / Exhaust systems
- ◆ Man cooling / Air washer systems
- ◆ Ventilation units
- ◆ Clean room / lab Systems
- ◆ Air supply systems for Aeration and water /effluent/sewage treatment plants

APPLICATIONS

Our blowers are utilized in various applications for all kinds of industries.

Our blowers are mainly utilized to

- ❖ **Recirculate:** Hot air and Fresh Air Gas
- ❖ **Supply:** Hot air and Fresh Air
- ❖ **Agitate:** Mixtures and Ponds
- ❖ **Exhaust:** Fumes, Hot air, Smokes, Contaminated air and Odors
- ❖ **Convey:** Granules, Powders, Seeds / grains, Fluffs
- ❖ **Provide:** Pressure on molten metals and Flootation for sensitive product movement
- ❖ **Collect:** Dust, Scrap, Valuable / reusable powders
- ❖ **Boost:** Pressure in vessels, Efficiency of burners, Combustion.
- ❖ **Dry:** Granules / powders/ surfaces, Wet components, Adhesives.
- ❖ **Cool:** Hot Components and surfaces, Men who work in hot areas.
- ❖ **Aerate:** Ponds, Sewage treatment plants, Effluent treatment plants.
- ❖ **Ventilate:** Rooms ,Process areas ,Enclosed machinery / chamber.
- ❖ **Handle :** Hazardous and Explosives.

REAL MAKE BLOWERS



FINE FAB INDIA

The Blower People

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