



PRODUCT BROCHURE

HEATING, VENTILATION, COOLING AND POLLUTION CONTROL SYSTEMS



VAYUVENTS

LIMITLESS POSSIBILITIES, ENDLESS SOLUTIONS



www.vayuvents.com



ABOUT US

VAYUVENTS PRIVATE LIMITED Established in the year 2010, In Vasai, Mumbai (Maharashtra, India) we, "Vayuvents Private Limited", are the Manufacturer, Exporter of Axial Fan, Centrifugal Fan, Industrial Mancooler Fan, Industrial Hot air blower, Pulse jet dust collector, Bug Blower, Electrical Operated Roof Extractor fan, Motorized Roof Exhaust Fan, Twin lobe blower, Cyclone Dust Collector, Hot air Axial Fan, Fume Scrubber, Belt Driven Centrifugal Blower, Air washer Unit, Air Handling Unit, ID & FD Fan and many more.

VAYUVENTS PRIVATE LIMITED are made available in a varied range of specifications, to meet the diversified requirements of our valuable customers. We are extremely concerned with the quality of the proffered assemblage and this is the reason, we use premium quality raw materials for the manufacturing operation. At our company, VAYUVENTS PRIVATE LIMITED have established a state-of-the-art infrastructure facility that is equipped with basic amenities and machines that are based on modern & advanced technology in the market. Moreover, we have recruited a team of experienced and skilled professionals, who are well trained to understand the varied requirements of our reputed customers. In past decades, we have garnered an unmatched position in the business and wish to garner multiple clients in the future too. We involve in ethical business dealings only. These products are being used by a very diverse range of industries ranging from Power plants & cement manufacturing to Pharmaceuticals & textiles.

Under the able leadership of **VAYUVENTS PRIVATE LIMITED** Founder, 'Rajan Ramashish Pal', we have been able to establish our stand-alone position in the market. His rich industry experience, continuous motivation, and sound business understanding have enabled our organization to gain a phenomenal success in this competitive market.

COMPANY PROFILE

Vayuvents Limited is a leading manufacturer and supplier of HVAC (Heating, Ventilation, and Air Conditioning) solutions in India. Established in 2010, the company specializes in designing, manufacturing, installing, and servicing a wide range of products, including axial fans, centrifugal fans, industrial mancooler fans, hot air blowers, dust collectors, and more.

Vayuvents caters to various industries, such as marine, offshore, and manufacturing, providing tailored solutions to meet specific ventilation and air pollution control requirements. With a focus on quality and innovation, Vayuvents has become a trusted partner for businesses seeking reliable and efficient HVAC systems.

Our Qualities	Our Commitments	About Us
<ul style="list-style-type: none"> • Quality-focused: Prioritizes high-quality products and services. • Innovative: Continuously develops new and advanced HVAC solutions. • Reliable: Offers dependable and efficient HVAC systems for various industries. 	<ul style="list-style-type: none"> • Client-Satisfaction: Understanding customers' need before showcasing our products. • Cost-Friendly: Continuously reviewing the market and giving you the best rates which are pocket friendly . • Great-After-Sale-Services: Will go beyond our customers' expectations in terms of delivery and after sale services 	<ul style="list-style-type: none"> • HVAC solutions provider • Quality products and services • Reliable and efficient systems

We offer our products to many market segments as a motor fan company and over the period of time we have successfully expanded to various markets like

- Marine works
- Nuclear Power Plants
- Highway Tunnels
- Steel Industries
- Oil Factories
- Energy Industries
- Iron Industries
- Solar Industries

Industrial Centrifugal Blower is used by manufacturing companies to move or circulate the air. It pulls the air inside the blower and then blows it out through an outlet at a 90-degree angle. It consists of a low-pressure area within, which creates a vacuum that sucks in the surrounding air into the fan. The air then flows from the center of the fan and with the help of the kinetic energy generated by the blades pushed outside of the fan. They are capable of displacing the air in the surrounding environment radically.

Components Of Centrifugal Blower Fans

1. Impeller
2. Casing
3. Inlet
4. Outlet
5. Motor
6. Bearings
7. Shaft

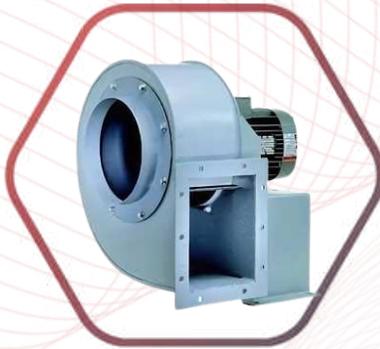


Key Features Of Centrifugal Blower Fans

1. High pressure: Can generate high air pressure for various applications.
2. High airflow: Capable of delivering large volumes of air.
3. Low noise: Often designed for quiet operation.
4. Efficiency: Efficiently converts energy into airflow.
5. Versatility: Suitable for a wide range of industries and applications.

CENTRIFUGAL BLOWER FAN

Industrial centrifugal blowers move large volumes of air by pulling it in and expelling it at a 90-degree angle.



CENTRIFUGAL BLOWER FAN

Centrifugal blower fans come in various dimensions, here are some listed below.

Centrifugal Blower CFM Chart :

CFM Values at different pressures for 960 RPM Motor

Press.in inches W.G.		1	2	3	4	5	6	8	10	12	16	20	24	28	32	36	48	50
RPM	Motor H.P.	Approximate capacity in Cu. Feet / Minute. at N.T.P.																
8	0.25	1000	500	300	200	100	-	-	-	-	-	-	-	-	-	-	-	-
960	0.5	2000	1000	700	500	400	300	100	-	-	-	-	-	-	-	-	-	-
960	0.75	3000	1600	1100	800	600	400	200	-	-	-	-	-	-	-	-	-	-
960	1	4000	2200	1500	1100	800	600	400	300	300	100	-	-	-	-	-	-	-
960	1.5	5600	3200	2200	1700	1300	1000	700	400	400	200	-	-	-	-	-	-	-
960	2	6200	4100	2900	2200	1800	1400	1000	700	500	300	200	-	-	-	-	-	-
960	3	-	6100	4300	3400	2700	2200	1600	1200	900	500	400	300	200	100	-	-	-
960	5	-	10100	6900	5600	4600	3800	2800	2100	1700	1100	700	600	500	400	200	-	-
960	7.5	-	14400	10300	8200	6800	5800	4300	3300	2700	1800	1300	900	800	600	600	400	300
960	10	-	17800	13800	11600	8900	7300	5800	4600	3700	2500	1900	1300	1000	900	800	500	500
960	12.5	-	-	17000	13000	11100	9400	7200	5700	4700	3400	2500	1900	1400	1100	1000	700	600
960	15	-	-	20000	15500	13000	11200	8700	7000	5700	4200	3100	2400	1800	1400	1200	900	800
960	20	-	-	27300	20700	17000	14700	11500	9400	7800	5700	4400	3500	2700	2100	1700	1200	1200
960	25	-	-	31400	26000	20700	18100	14300	11700	9800	7300	5700	4600	3700	2900	2300	1600	1500
960	30	-	-	32900	30200	24800	21400	16800	13900	11700	8800	7000	5600	4600	3700	3000	1900	1900
960	40	-	-	-	39000	33100	27700	22100	18300	15600	11900	9500	7800	6500	5400	4500	2700	2500
960	50	-	-	-	47900	40500	34500	27200	22600	19300	15000	12000	9900	8300	7100	6000	3600	3300
960	60	-	-	-	50900	47700	41500	32200	26900	23000	18000	14600	12000	10200	8700	7500	4700	4300
960	75	-	-	-	-	53000	51000	39100	33100	28500	22400	18400	15300	13000	11200	9700	6300	5900
960	100	-	-	-	-	-	53000	51800	44200	37300	29700	24600	20700	17600	15300	13400	9100	8600

CMF Values at different pressures for 1400 RPM Motor

Press.in inches W.G.		1	2	3	4	5	6	8	10	12	16	20	24	28	32	36	48	50
RPM	Motor H.P.	Approximate capacity in Cu. Feet / Minute. at N.T.P.																
1400	0.25	1000	500	300	200	100	-	-	-	-	-	-	-	-	-	-	-	-
1400	0.5	1900	1000	700	500	400	300	200	100	-	-	-	-	-	-	-	-	-
1400	0.75	2800	1600	1100	800	600	500	300	200	-	-	-	-	-	-	-	-	-
1400	1	-	2000	1400	1100	800	700	500	300	300	100	-	-	-	-	-	-	-
1400	1.5	-	3000	2100	1700	1300	1100	800	600	400	200	-	-	-	-	-	-	-
1400	2	-	4000	2800	2200	1800	1500	1000	800	600	400	200	100	-	-	-	-	-
1400	3	-	5800	4100	3300	2700	2200	1700	1300	1000	700	400	300	200	100	-	-	-
1400	5	-	8400	6800	5300	4400	3700	2800	2300	1800	1300	900	600	500	400	300	200	-
1400	7.5	-	-	9900	8300	6400	5500	4300	3500	2800	2000	1500	1100	900	700	600	400	200
1400	10	-	-	12800	10300	8400	7200	5700	4600	3800	2900	2200	1700	1300	1000	800	600	500
1400	12.5	-	-	15400	13100	10300	8900	7000	5800	4800	3600	2800	2200	1800	1400	1100	700	700
1400	15	-	-	-	14900	12400	10600	8400	6900	5800	4400	3400	2700	2200	1800	1500	900	900
1400	20	-	-	-	19300	16400	13700	10900	9100	7700	5900	4700	3800	3200	2600	2200	1100	1100
1400	25	-	-	-	24800	20000	17200	13500	11200	9600	7400	5900	4900	4100	3400	2900	1700	1600
1400	30	-	-	-	-	23600	20600	16000	13300	11400	8900	7200	5900	5000	4300	3600	2300	2100
1400	40	-	-	-	-	30400	26700	20700	17400	15000	11800	9700	8100	6800	5900	5100	3400	3100
1400	50	-	-	-	-	32900	32800	25900	21400	18500	14700	12200	10200	8700	7500	6600	4400	4200
1400	60	-	-	-	-	-	38300	31200	25000	21900	17700	14600	12300	10500	9100	8000	5600	5300
1400	75	-	-	-	-	-	43500	38100	31100	27200	21600	18100	15400	13300	11600	10200	7300	6900
1400	100	-	-	-	-	-	-	49200	41500	35100	28400	23900	20500	17900	15700	13800	10100	9600

WHAT DO WE OFFER

We offer state of the art services and industrial products. Feel free to contact us on our social media handles and on our website.

HOW TO REACH

1. Jnpt port - 35 km
2. Sahar Air Cargo - 20Km
3. Railway station - 5Km
4. Vasai Highway - 200m





Contact us

Sales@vayuvents.com

Support@vayuvents.com

Technical : +91 8793841013

Call for any support : +91 9096163605

OUR CLIENTS

