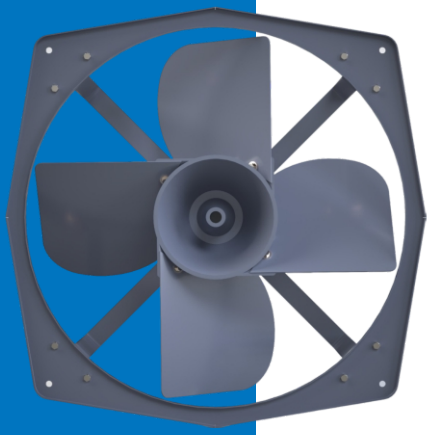
HUMIDIN®

PROPELLER FANS

MEMBER

Quality Speaks For Itself

HUMIDIN®



HEAVY DUTY PROPELLER FAN

HUMIDIN HEAVY DUTY PROPELLER FAN

A metallic propeller fan is a type of axial-flow fan commonly used in applications where high Air moves and low pressure are required. Unlike centrifugal fans, which expel air radially, propeller fans direct the air in the same direction as the fan blades' rotation (axially). These fans are typically used in industrial, commercial, and residential applications such as ventilation, air circulation, and cooling systems.

FEATURES:

1. Durability
   Made from high-quality metals, these fans are robust and resistant to mechanical wear, impact, and corrosion, making them suitable for demanding environments.

2. High Efficiency:
   Propeller fans are designed to move large volumes of air with minimal energy consumption. The fan blades are engineered to generate optimal Air moves at lower speeds, making them energy-efficient.

3. Low Noise Levels:
   Metallic propeller fans are designed to operate quietly, making them ideal for environments where noise reduction is a priority.

4. High Air moves with Low Pressure:
   Metallic propeller fans are ideal for applications that require large volumes of air to be moved at low static pressures, such as ventilation or cooling in factories, warehouses, and large buildings.

MATERIAL OF CONSTRUCTION:

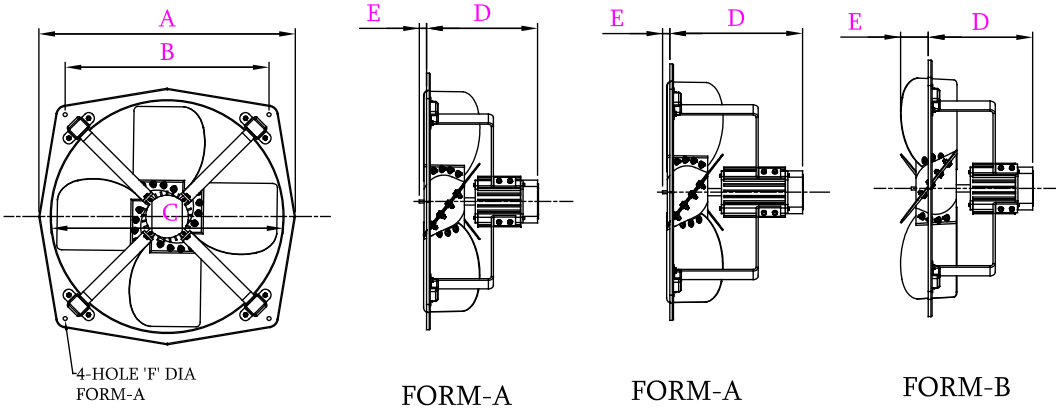
- CASING - MS
- IMPELLER - MS
- MOTOR BRACKET - MS

In accordance with our policy of continual improvement in design, we reserve the right to depart from the details given in this brochure.

APPLICATIONS:

- Basement Car Parking Ventilation
- Industrial Ventilation
- Commercial Ventilation
- Tunnel Ventilation And many more……..

DIMENSION TABLE OF METALLIC PROPELLER FAN



METALLIC PROPELLER FAN																	
AIR VOLUME	STATIC PRESSURE	FAN TYPE	FAN DIA	MOTOR	SPEED	Current(Amps)		Sound	A	B	C	D (MM)		E (MM)		F	WEIGHT (MAX)
CFM	MM WG		MM	WATTS	RPM	220 VOLTS / SINGLE PHASE	440 VOLTS / THREE PHASE	Db@3m	MM	MM	MM	FORM-A	FORM-B	FORM-A	FORM-B	MM	KG
440	7.5	METALLIC PROPELLER FAN	230	40	1370	0.18	-	50-54	292	233	242	182	-	12	-	8	2.8
1120	7.5	METALLIC PROPELLER FAN	300	90	1400	0.43	-	52-55	384	315	327	270	-	5	3	10	6.5
2300	7.5	METALLIC PROPELLER FAN	380	160	1400	0.77	-	54-57	465	373	403	270	-	12	25	10	8
2300	7.5	METALLIC PROPELLER FAN	380	150	1400	-	0.35	54-57	465	373	403	270	-	12	25	10	8
4000	7.5	METALLIC PROPELLER FAN	450	410	1400	1.8	-	55-58	550	449	485	345	-	3	15	11	13
4000	7.5	METALLIC PROPELLER FAN	450	370	1400	-	0.7	55-58	550	449	485	345	-	3	15	11	13
6150	10	METALLIC PROPELLER FAN	600	550	920	2.6	-	57-60	720	595	636	355	-	-	42	11	25.5
6150	10	METALLIC PROPELLER FAN	600	500	920	-	0.9	57-60	720	595	636	355	-	-	42	11	25.5
16500	10	METALLIC PROPELLER FAN	900	1200	720	-	2.4	58-64	1050	835	949	475	-	10	50	16	55
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE																	

In accordance with our policy of continual improvement in design, we reserve the right to depart from the details given in this brochure.

PLASTIC PROPELLER FAN

HUMIDIN PROPELLER FAN

A plastic propeller fan is a type of axial-flow fan commonly used in applications that require efficient Air moves with a lighter, cost-effective construction. Unlike metallic fans, plastic propeller fans are made from durable synthetic materials such as polypropylene, PVC, or fiberglass, offering a more lightweight and corrosion-resistant alternative for many ventilation, cooling, and exhaust applications.

FEATURES:

Lightweight Construction:

The use of plastic materials makes these fans lighter than their metal counterparts, which can be beneficial for easy handling, installation, and in situations where reduced weight is important (e.g., in mobile or ceiling-mounted systems).

Corrosion Resistance:

Plastic fans are naturally resistant to rust, moisture, and chemical corrosion. This makes them ideal for use in humid, corrosive, or outdoor environments, such as in food processing, agricultural applications, or marine areas.

Cost-Effective:

Plastic propeller fans tend to be more affordable compared to their metal equivalents. This makes them a popular choice for budget-conscious projects or applications where high material costs need to be minimized.

Low Weight and Easy Installation:

Due to their lightweight nature, plastic propeller fans are easy to install, move, and replace, which can help reduce installation costs and downtime.

Anti-Static Properties:

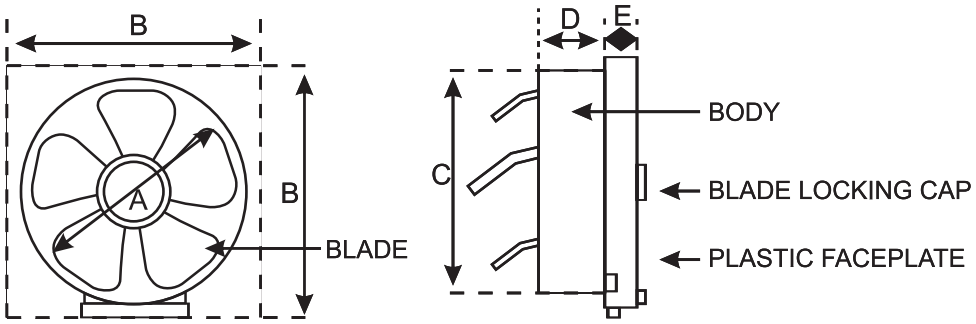
Certain plastic materials used for propeller fans have anti-static properties, reducing the risk of sparks or other issues that may arise from static electricity in sensitive environments like data centers or industrial manufacturing areas.

In accordance with our policy of continual improvement in design, we reserve the right to depart from the details given in this brochure.

APPLICATIONS:

- Ventilation in Residential and Commercial Buildings:
- Cooling Systems:
- Industrial and Agricultural Applications:
- Electronics Cooling:

DIMENSION TABLE OF PLASTIC PROPELLER FAN



PLASTIC PROPELLER FAN														
AIR VOLUME	STATIC PRESSURE	FAN TYPE	FAN DIA	MOTOR	SPEED	Current(Amps)		Sound	A	B	C	D	E	WEIGHT (MAX)
CFM	MM WG		MM	WATTS	RPM	220 VOLTS / SINGLE PHASE	440 VOLTS / THREE PHASE	Db@3m	MM	MM	MM	MM	MM	KG
160	5	PLASTIC PROPELLER FAN	150	25	1300	0.18	-	50	150	240	175	80	50	1.9
270	5	PLASTIC PROPELLER FAN	200	30	1300	0.43	-	52	200	300	240	90	45	2.8
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE														

In accordance with our policy of continual improvement in design, we reserve the right to depart from the details given in this brochure.

GREEN HOUSE FAN

HUMIDIN GREEN HOUSE FAN

Greenhouse fans are specifically designed ventilation systems used to regulate the temperature and humidity levels inside various manufacturing industries and warehouse. Their primary function is to maintain a stable environment by ensuring proper Air moves and controlling heat buildup.In a greenhouse, temperature and humidity must be kept within optimal ranges to encourage healthy plant development and maximize crop yields. Greenhouse fans are essential for achieving this balance by facilitating air circulation, cooling, and humidity control.

FEATURES:

1. Air Circulation:
   These fans improve air movement within the greenhouse, which is essential for ensuring that all plants receive adequate Air moves. Proper circulation helps prevent stagnant air pockets that could lead to poor plant growth and uneven temperature distribution.

2. Exhaust and Intake Options:
   Exhaust fans are typically used to expel hot air and humidity from the greenhouse, while intake fans bring in fresh, cool air from the outside. Both types of fans work together to create a continuous Air moves, ensuring optimal conditions inside the greenhouse.

3. Durable Construction:
   Greenhouse fans are often built with weather-resistant and corrosion-resistant materials like galvanized steel or plastic, ensuring they can withstand the humid and sometimes harsh environment inside a greenhouse. Durability is critical to ensure that the fans function effectively over many seasons.

4. Effective Cooling
   Greenhouse fans are especially effective in providing cooling solutions during hot weather. They help reduce the buildup of heat and moisture, which could otherwise harm the plants by stressing them or promoting fungal diseases.

In accordance with our policy of continual improvement in design, we reserve the right to depart from the details given in this brochure.

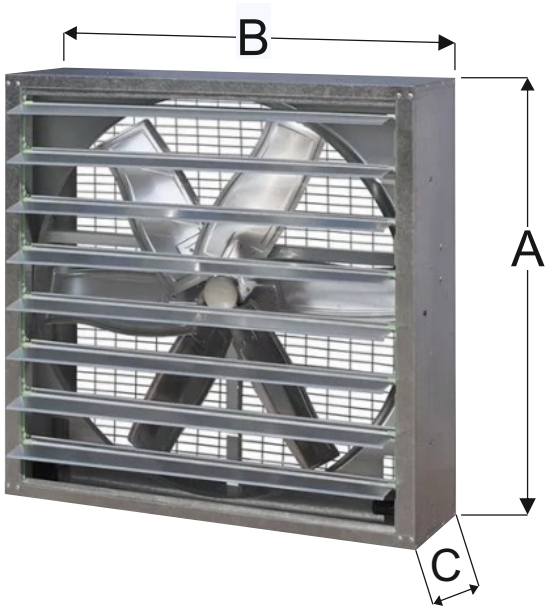
5. Protection Against Pests and Diseases:

Good Air moves provided by greenhouse fans can reduce the likelihood of plant diseases and pests by keeping the environment dry and preventing the formation of mold, mildew, or fungus. Proper ventilation is one of the best ways to create an unfavorable environment for many greenhouse pests.

APPLICATIONS:

- Industrial Ventilation
- Commercial Crop Production
- Nurseries
- Hydroponic and Aquaphobic Systems
- Research Greenhouses

DIMENSION TABLE OF GREEN HOUSE FAN

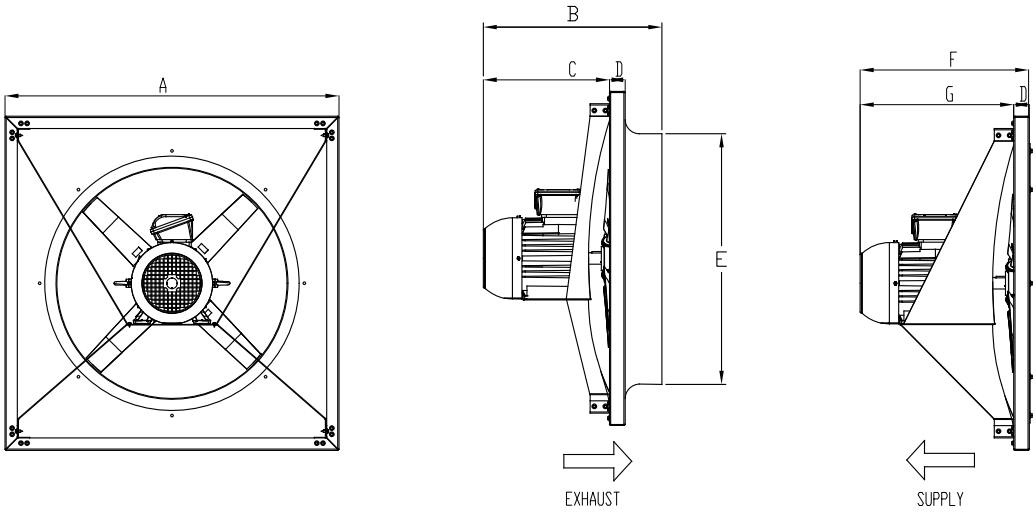


GREEN HOUSE FAN									
ALL DIMENSIONS (IN MM)									
AIR VOLUME	MAX. STATIC PRESSURE	FAN TYPE	FAN DIA	MOTOR	SPEED	Sound	Height (A)	Width (B)	Thickness (C)
CFM	MM WG		MM	WATTS/HP	RPM	Db@3m	MM	MM	MM
10588	15	GREEN HOUSE	710	370	612	≤ 60 db	800	800	400
17647	15	GREEN HOUSE	900	750	513	≤ 60 db	1000	1000	400
21176	15	GREEN HOUSE	1100	1100	450	≤ 60 db	1220	1220	400
25882	15	GREEN HOUSE	1250	1100	460	≤ 60 db	1380	1380	400
32824	15	GREEN HOUSE	1400	1500	430	≤ 60 db	1530	1530	400
NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE									

In accordance with our policy of continual improvement in design, we reserve the right to depart from the details given in this brochure.

HUMIDIN®

DIMENSION TABLE OF PROPELLER FAN WITH AL / PP IMPELLER



PROPELLER FAN WITH ALUMINIUM / PP IMPELLER

Fan Size	A	B		C		D	E	F		G		Damper Size Sq.
MM	MM	Min.	Max.	Min.	Max.	MM	MM	Min.	Max.	Min.	Max.	MM
500	661	221	302	**96**	**176**	**38**	517	277	328	**239**	**290**	559
630	813	210	352	**90**	**231**	**38**	619	272	374	**234**	**336**	660
800	968	251	352	**106**	**208**	**38**	771	296	398	**258**	**360**	813
900	1105	251	442	**87**	**279**	**38**	924	315	507	**277**	**469**	965

NOTE: ALL TECHNICAL & DIMENSIONS ARE ONLY FOR REFERENCE

PROPELLER FAN WITH ALUMINIUM / PP IMPELLER

AIR VOLUME	MAX. STATIC PRESSURE	FAN TYPE	FAN DIA	MOTOR	SPEED	ELECTRICAL SPECIFICATION	SOUND
CFM	MM WG		MM	WATTS/HP	RPM	VOLTS / PH/HZ	Db@3m
5000	20	AXIAL	**500**	**1.1 / 1.5**	**1440**	440 / 3 / 50	68
7500	30	AXIAL	**630**	**2.2 / 3.0**	**1440**	440 / 3 / 50	65
9000	30	AXIAL	**800**	**2.2 / 3.0**	**1440**	440 / 3 / 50	75
16000	40	AXIAL	**900**	**5.5 / 7.5**	**1440**	440 / 3 / 50	75

AIR VOLUME	MAX. STATIC PRESSURE	FAN TYPE	FAN DIA	MOTOR	SPEED	ELECTRICAL SPECIFICATION	SOUND
CFM	MM WG		MM	WATTS/HP	RPM	VOLTS / PH/HZ	Db@3m
6000	20	AXIAL	**500**	**1.1 / 1.5**	**1750**	380 / 3 / 60	69
9000	30	AXIAL	**630**	**2.2 / 3.0**	**1750**	380 / 3 / 60	67
10800	30	AXIAL	**800**	**2.2 / 3.0**	**1750**	380 / 3 / 60	76
19200	40	AXIAL	**900**	**5.5 / 7.5**	**1750**	380 / 3 / 60	76

In accordance with our policy of continual improvement in design, we reserve the right to depart from the details given in this brochure.

HUMIDIN

Sales & Marketing Department
North India:
Phone: +91 9654400710
Email Id: tc@humidin.com

East India:
Phone:+91 9654551093
Email Id: tceast@humidin.com

West India:
Phone +91 9654551015
Email id: tcwest@humidin.com

South India:
Phone +91 9654781452
Email Id: tcsouth@humidin.com

Finance Department
Phone +91 9654452925
Email Id: accounts@humidin.com

After Sales Service Department (24x7)
Phone: +91 9654452926
Email Id: service@humidin.com

COUNTRIES:
RIYADH:
Phone: 9220500368
Email Id: riyadh@humidin.com

EGYPT:
Phone: 9220500367
Email Id: egypt@humidin.com

HR Department
Phone: +91 7290065533
Email Id: hr@humidin.com,
hrmanager@humidin.com

The intention of this brochure is to introduce you to, and acquaint you with the capabilities of the HUMIDIN organization in the offered product areas. It will not answer all your immediate questions, and indeed, it will no doubt raise others. We welcome your interest in our products and shall be very pleased to provide further information.

GUARANTEES

HUMIDIN guarantees its products to be free of defects in materials and workmanship for a period of one year from the date of delivery from the factory, provided motors are properly installed with overload protector. Humidin agrees to repair or replace defective parts or part to be returned to the factory, all transportation charges prepaid. Humidin does not guarantee against abrasion, corrosion or erosion. Humidin shall not be held responsible for any charges in connection with the removal or replacement of alleged defective equipment nor for incidental consequential damages

A.C HUMIDIN AIR SYSTEMS PVT.LTD.

Plot C18, Sector A2 Tronica City UPSIDC Industrial Area Loni Dist. Ghaziabad Uttar Pardesh-201102