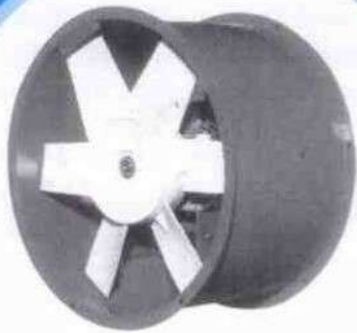
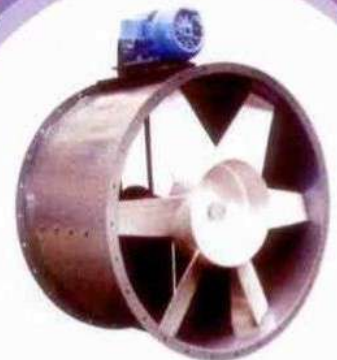


Axial Flow Fans



Drivet
Axial Flow Fan



Belt Driven Axial
Flow Fan



Impeller



Roof Extractor



Bifurcator Fan

AXIAL FLOW FANS

Vortonix Axial Flow Fans is suited for a large number of air handling applications in land and marine installations, commercial, industrial process and environment ventilation. **Vortonix** manufactures regular series of fans and custom build fans to cater the specific needs of automobile, chemical, nuclear, cement, steel, paper sugar, textile plants, general engg. Foundries, jute mills, brewery hotels and marine duty application etc.

Axial Flow Fan Type :

- Belt Drive
- Bifuracted
- Duct Type
- Roof Fixing
- Wall Mounting

Applications :

Vortonix Axial Flow Fans are widely used in ventilation, pressurisation, humidification, evaporative cooling towers, kitchen ventilation, fume exhaust system, dry spray paint booth, marine duty and roof extractors etc.

Design Features :

Vortonix Axial Flow Fans are compact, easy installing and highly reliable in operation. It is designed for optimum realisation between air quality, pressure, power consumption. Its impeller have high efficiency aerofoil section blades and cast Aluminium alloy with fixed and variable pitch.

Production Range :

- **Vortonix** Axial Flow Fans have wide range of fans including multistage high performance.
- **Vortonix** Axial Flow Fans are available in five series.
- UAD series - available in size 300mm-1600mm with fixed pitch impeller of 6 Nos blade.
- UAVB series - available in size 300mm-1200mm with adjustable pitch impeller of 4/6/8/ nos blades.
- UARE series - available in size 450, 600 & 900 mm with fixed & adjustable pitch impeller.

Distinguishing Features :

- High Efficiency
- Aerofoil Design
- Robust Construction to Reduce Vibration
- Low Noise Level
- Special Coating & Lining for casing & impeller (GRP, FRP, PP, RUBBER, EPOXY)
- Low weight / high Strength
- Identical Air performance for all blade impellers
- Aerodynamic performance Tested as per IS 3588
- Possibility of reverse direction of air flow by turning the blade through.



▲
PEDESTAL FANS

**COMFORT
QUALITY
VALUE**



▲
**WALL MOUNTED
FANS**



OUR OTHER PRODUCTS

INDUSTRIAL AIR CIRCULATOR • WEATHER PROOF AIR CIRCULATOR
INDUSTRIAL MAN COOLER • INDUSTRIAL AXIAL FLOW • ROOF EXTRACTOR
CENTRIFUGAL BLOWER • HEAVY DUTY EXHAUST FAN • FARATA FAN
CABIN FAN • CEILING FAN & MORE.....

USED EFFECTIVELY IN



SCHOOL/COLLEGES RESTAURANTS RAILWAY STATIONS AIRPORTS HOTELS FACTORIES HOSPITALS WAREHOUSE GYMNASIUMS GREEN HOUSE



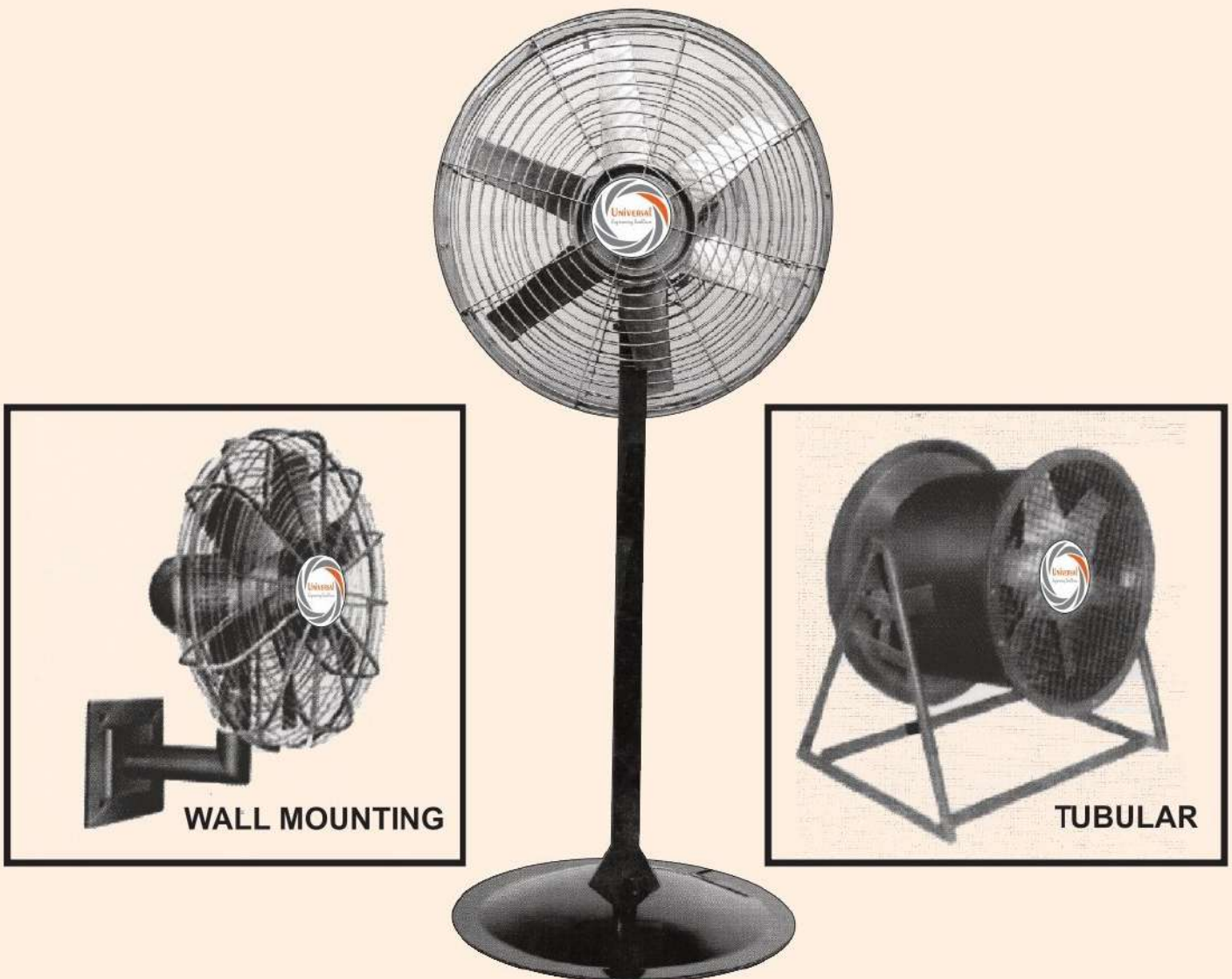
INDUSTRIAL AIR CIRCULATOR

Features:

- 18", 20", 24", 30" Industrial pedestal/wall mounting air circulators.
- Heavy duty 2 or 3 speed fully enclosed 230 volt motor.
- PSC Motor equipped with pre-lubricated ball bearing.
- Fan guard meet international safety norms (10mm gap for injury protection).
- Motor has automatic thermal overload protection (T.O.P.)
- Up/down tilt adjustment as per your requirement.
- Pedestal height adjustment from 4.5 to 7 feet.
- Oscillation can be set at 90 degree sweep or straight flow.
- Blades are dynamically balanced with individual replacement facility.
- Easy to assemble.
- All fans are powder coated and chrome plated for life time durability.
- All models are available in both OST & Non OST models.
- For large orders customer specified color scheme can be provided.



Model	Wall-Mount Air Circulation Fans	Size	H.P.	R.P.M	Wattage	Air Delivery M3/Min
18-WOF	18" Oscillating Wall Fan	18" (450mm)	1/6	1400 / 1200 / 1000	100	125
20-WOF	20" Oscillating Wall Fan	20" (500mm)	1/6	1400 / 1200 / 1000	120	140
24-WOF	24" Oscillating Wall Fan	24" (600mm)	1/4	1400 / 1200 / 1000	200	263
30-WOF	30" Oscillating Wall Fan	30" (750mm)	1/4	1400 / 1200 / 900	250	370
Model	Pedestal Air Circulation Fans	Size	H.P.	R.P.M	Wattage	Air Delivery M3/Min
18-POF	18" Oscillating Pedestal Fan	18" (450mm)	1/6	1400 / 1200 / 1000	100	125
20-POF	20" Oscillating Pedestal Fan	20" (500mm)	1/6	1400 / 1200 / 1000	120	140
24-POF	24" Oscillating Pedestal Fan	24" (600mm)	1/4	1400 / 1200 / 1000	200	263
30-POF	30" Oscillating Pedestal Fan	30" (750mm)	1/4	1400 / 1200 / 900	250	370



PRODUCT RANGE :

- Man Cooler • Axial Flow Fan • Jet Fan • Air Circulators • Bifurcating Fans
 - Roof Extractor • Belt Driven • Axial Flow Fan • Impeller
- Centrifugal Blower Forward Curved • Centrifugal Blower Backward Curved
 - High Pressure Blower • Industrial Air Washers



Man Cooler fans are available in Pedestal, Bracket and Tubular Type.

TECHNICAL SPECIFICATION

Sweep		Volt/Phase		Speed	Power		Total Air Delivery at 10 times Blade Sweep		Minimum Peak Air Delivery at a Distance of	
									10 time Blade Sweep	15 time Blade Sweep
Inch	mm	Volts	Phase	R.P.M.	(Watts)	HP	C.F.M.	M / 3hr.	(M / Min)	(M / Min)
18	457	230	Single	1440	375	0.5	7000	12000	200	150
18	457	415	Three	1440	375	0.5	7000	12000	200	150
18	457	415	Three	2900	1500	2.0	14000	24000	250	200
19	183	230	Single	1440	375	0.5	7300	12500	200	120
19	183	415	Three	1440	375	0.5	7300	12500	200	120
19	183	415	Three	2900	2200	3.0	14700	25000	250	200
24	600	230	Single	1440	750	1.0	16500	28000	250	150
24	600	415	Three	1440	750	1.0	16500	28000	250	150
30	750	415	Three	1440	1500	2.0	21500	37500	250	150
36	900	415	Three	960	1500	2.0	32500	55250	250	150
36	900	415	Three	1440	2200	3.0	37500	63750	275	175
39	1000	415	Three	960	3700	5.0	37000	63000	250	150
48	1200	415	Three	960	3700	5.0	43800	74500	250	150



MAN COOLER



OTHER PRODUCTS

- Centrifugal Blower Forward Curved
- Centrifugal Blower Backward Curved
- High Pressure Blowers
- Industrial Air Washers



UBITECH SOLUTIONS

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AUTHORISED DEALER



BIFURCATING FANS



ROOF EXTRACTOR



AXIAL FLOW FAN



BELT DRIVEN AXIAL FLOW FAN



IMPELLER

AXIAL/AXIAL FLOW FANS

AXIAL FLOW FANS

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Design Features :

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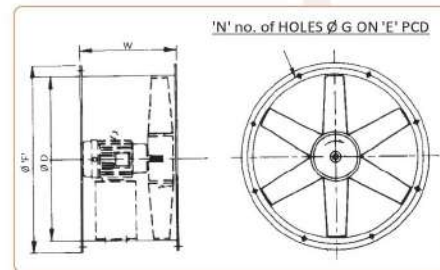
Production Range :

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- Low Noise Level
- Special Coating & Lining for casing & impeller (GRP, FRP, PP, RUBBER, EPOXY)
- Low weight/high Strength
- Identical Air performance for all blade impelelrs
- Aerodynamic performance Tested as per IS 3588
- Possibility of reverse direction of air flow by turning the blade through.

DIMENSION OF UAF MODEL



S.No.	Model & Size	HP/ Pole	DIA "D"	W	No. of Hole	DIA "E"	E PCD	Flange size	CFM	CMH
1	300	0.5/4	310	275	8	8.5	340	32x5	1300	2200
2	300	0.5/2	310	275	8	8.5	340	32x5	1300	3910
3	350	0.5/4	360	300	8	8.5	390	32x5	1500	2550
4	350	0.5/2	360	300	8	8.5	390	32x5	2700	4590
5	375	0.5/4	385	300	8	8.5	415	32x5	1750	2975
6	375	0.5/2	385	300	8	8.5	415	32x5	4500	7650
7	400	0.5/4	410	300	8	8.5	440	32x5	2400	4080
8	400	1/2	410	350	8	8.5	440	32x5	5800	9860
9	450	2/4	460	350	8	8.5	490	32x5	6500	11050
10	450	2/2	460	350	8	8.5	490	32x5	7200	12240
11	500	5/4	510	350	8	8.5	540	32x5	7000	11900
12	500	3/2	510	420	8	8.5	540	32x5	8000	13600
13	600	1/4	610	360	8	8.5	640	32x5	10000	17000
14	600	5/2	610	420	8	8.5	640	32x5	18000	30600
15	700	2/4	710	420	8	8.5	740	32x5	14000	23800
16	750	2/4	760	420	8	8.5	790	32x5	11500	19500
17	800	3/4	800	500	12	10.5	840	40x5	16000	27000
18	900	2/6	910	550	12	10.5	950	40x5	18500	31450
19	900	5/4	910	550	12	10.5	950	40x5	28000	47600
20	1000	5/6	1010	625	12	10.5	1050	40x5	22000	37000
21	1000	10/4	1010	625	12	10.5	1050	40x5	35000	59500
22	1200	7.5/6	1210	625	12	10.5	1260	50x5	40000	68000
23	1400	15/6	1410	800	16	12	1475	65x6	45000	76500
24	1600	20/6	1610	800	16	12	1675	65x6	60000	102000



VORTONIX
Innovative Expertise



JET FAN

THE SOLUTIONS: JET FAN

Vortonix offer the range of jet thrust fans from low noise units and ultra low profile to high thrust units which ensures the most effective, efficient airflow within the park.

With jet fans a full smoke control system can be functional - something jet not possible with a conventional ducted extract system. In an emergency situation, full fan extract rate can be reached in as little as 20 seconds

FAST INSTALLATION AND LOW MAINTENANCE

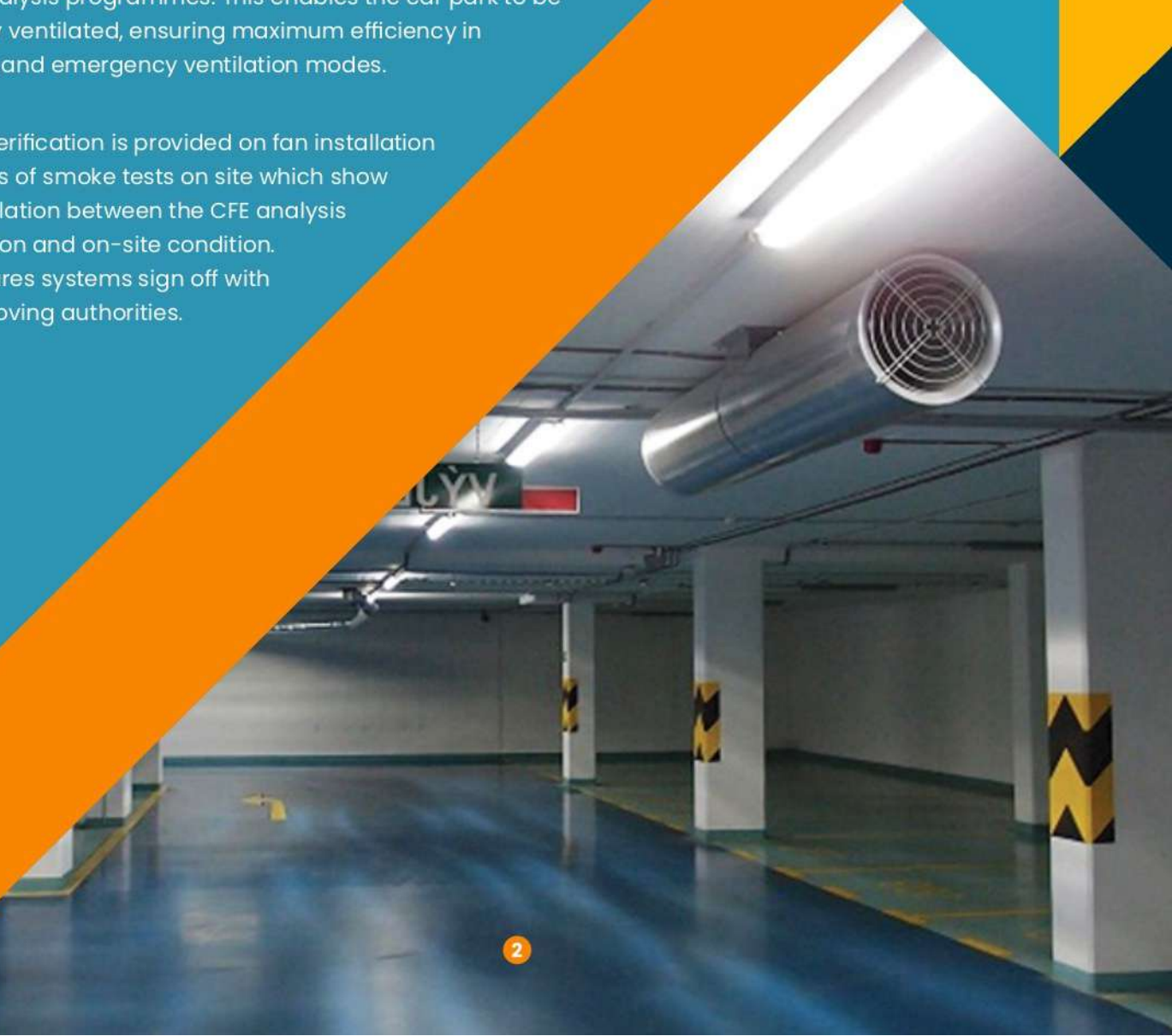
Vortonix designed Jet Fan slides easily into the prefixed ceiling bracket. This cuts down the installation time by about 60% reducing the installation costs as well.

Maintenance costs too is low as there are no distribution ducts and dampers to be cleaned and inspected.

CFD ENHANCED SYSTEM DESIGN

Vortonix is design and model car park systems using highly sophisticated and state-of the art computational fluid dynamics (CFD) analysis programmes. This enables the car park to be optimally ventilated, ensuring maximum efficiency in pollution and emergency ventilation modes.

Further verification is provided on fan installation by means of smoke tests on site which show the correlation between the CFE analysis predication and on-site condition. This ensures systems sign off with the approving authorities.



SPECIFICATION



CONSTRUCTION

- » Painted Finish
- » Impeller made of aluminium die cast.
- » Fan provided with hanging arrangement for easy installation.
- » Each model with Silencer as standard on both side of the fan. Non-standard length can be provided on request.
- » Guards on both side.

FEATURES

- » Compared to ducted ventilation system, jet fan ensure multiple benefit in terms of cost and efficiency associated with its design, installation & operation.
- » Optimize the space due to compact size.
- » Low sound level due to Silence on both side of the fan
- » Increased performance with maximum thrust
- » Low Noise
- » For emergency and general use



MOTOR

- » For general conditions, motor shall be F class dual or single speed motors.
- » For smoke exhaust system, motor shall be class H suitable for smoke exhaust temperature 250 °C for 2 hrs., dual speed motors.

OUR OTHER EQUIPMENTS

Man Cooler | Axial Flow Fan

Jet Fan | Air Circulators

Bifurcating Fans | Roof Extractor

Belt Driven | Axial Flow Fan | Impeller

Centrifugal | Blower Forward Curved

Centrifugal Blower Backward Curved

Higi Pressure Blower | Industrial Air Washers



Five Star



Stability



Safety



Performance



Easy Maintenance



Power Saving



Cost Effective



Make in India

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