

FanAir



About us

We FanAir India Pvt Ltd as one of the leading and Pioneer Manufacturers, Engineers and Equipment & Service Providers of Air Management Equipments in the field of HVAC Industry & company was incorporated in the year April 2003 as manufacturers of Complete Air Management Solution Products - to carry forward the Ancestral tradition to stick to the technical trade/ business/profession in one form or the other. Since then it has never looked back and has become a name to reckon with in the manufacturing of comprehensive range of Air Management Solution Products mainly pertaining to HVAC industry.

We are manufacturing Pre-Fabricated Ducts, Axial Flow Fans, Forward Curved Blowers, and Centrifugal blowers, Backward Curved Blowers, Plug Fan, Jet Fans, Smoke Exhaust, Kitchen Exhaust Unit, Wet Scrubber, Dry Scrubber, Air Washers & Air Curtains etc...

Keeping in view our dedication, sincerity, hard work and over and above our aim to create a quality product, enabled us to overcast the market. We firmly believe that the best quality products can only be developed through technical advancement; updated machinery; skilled workforce and professional approach including stringent initial raw material inspection, stage wise inspection and the final checks prior to dispatch of each and every product.

We have a team of highly experience engineers who have vast experienced, integration of technology, expertise, business trust, quality of product, integrity, team work, customer oriented & accountability, unrelenting efforts carve a niche of excellence for customers.

We are pleased to work with you for your project and get associated for a mutually beneficial relationship.

Our Aim

To rank and stay within top Indian companies engaged in our sector by delivering quality products.



Research & Development

Ensuring proper feedback from every nook & corner is we aim for. Everyone in all segments, in the chain provides input which is very vital for research and development. This participation helps us to iron out every unaddressed issue.

Our Strengths

- High grade raw material.
- Leadership in product innovation.
- Continuous R & D of products
- Optimum functionality
- Highly efficient, Low- Cost manufacturing.
- Energy saving features

Our Vision

We would like to be the most reliable & innovative manufacturer of blowers & HVAC products as regarded by our customers globally.

Our Mission

We will work as a team with full dedication towards achieving operational excellence and thus strive for value creation for our customers.

Our Quality Policy

The right way is to use experts is every step of the way - to research rigorously, in - depth and apply punctilious detail to tried and trusted methods, examining the special technical characteristics of every single project and to anticipate problems, whether apparent or unseen. Due to our tight quality control specialists, we have received the ISO 9001 : 2015 certification and assure the quality of our products.

New Facility

Our new state-of-art manufacturing setup spreads over 110000 sqft at Ghiloth Industrial area, RIICO, Neemrana, Rajasthan.



Air Movement & Control Association International, Inc.

The International Authority on Air System Components Since 1917



Fanair India PVT LTD

January 2015

Member Since

Mark Stumm
Executive Director

Certificates

Certificate of Registration

This is to Certify that
Quality Management System of

FANAIR INDIA PVT. LTD.

A-9, RIICO INDUSTRIAL AREA, GHILOT, DIST. ALWAR - 301401,
RAJASTHAN, INDIA.

has been assessed and found to conform to the requirements of
ISO 9001:2015
for the following scope :

MANUFACTURER OF FORWARD CURVED BLOWERS (AMCA CERTIFIED),
BACKWARD CURVED BLOWERS, AXIAL FANS, CABINET INLINE FAN, PLUG FANS,
JET FAN, KITCHEN EXHAUST FAN, AIR HANDLING UNIT, AIR WASHER,
FAN COIL UNIT, DRY & WET SCRUBBER, TREATED FRESH AIR UNIT,
FAN SECTION, CIRCULAR INLINE FAN, CABINET INLINE FAN, PRE FABRICATED DUCT,
AIR DISTRIBUTION PRODUCTS, HVLS FANS, TURBO VENTILATION FANS,
FILTERS - PRE/FINE/ HEPA.

Certificate No	: 20IQFV22		
Initial Registration Date	: 19/08/2020	Issuance Date	: 19/08/2020
Date of Expiry	: 18/08/2023		
1st Surve. Due	: 19/07/2021	2nd Surve. Due	: 19/07/2022


Director



ACCREDITED
Management Systems
Certification Body
MSCB-119



AQC MIDDLE EAST FZE.

Head Office: E1-1401 E Amber Gem Tower, Sheikh Khalifa Bin Zayed Road, 2, Ajman, UAE. e-mail: info@aqcworld.com.

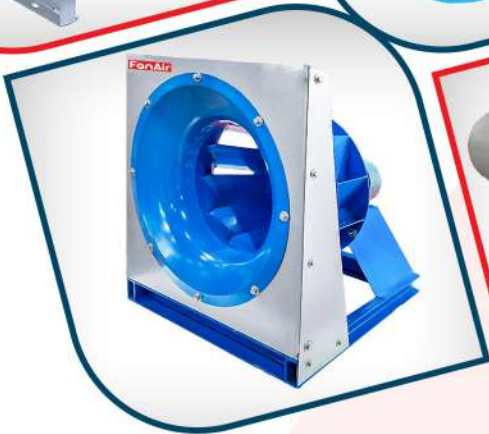
Key Location: 403, Madhuban Building, 55, Nehru Place, New Delhi-110019, India.

*Validity of the Certificate is subject to successful completion of surveillance audit on or before of due date. (In case surveillance audit is not allowed to be conducted, this certificate shall be suspended/withdrawn).

Certificate Verification: Please Re-check the validity of certificate at <http://www.aqcworld.com/activeclients.aspx> or www.aqcworld.com at Active Clients.
Certificate is the property of AQ Middle East FZE and shall be returned immediately when demanded



Product Overview



FAFC SERIES

Double Inlet Double Width Forward Inclined Fan



FAT



FAFC F



FAFCSD



FAT 2



FAFC P



FAFCSB



FATD

Introduction

FAFC Series is a Double Inlet Double Width (DIDW) centrifugal blower with forward inclined wheel. These fans are suitable for Supply & exhaust application in commercial & industrial (HVAC) systems. Maximum operating speed and power of each fan type is due to its mechanical design. The operating limit of different fan types of FAFC series is set according to the requirement of Class I, II & III limit as defined in **AMCA Standard 99-16**.

TECHNICAL SPECIFICATION

Wheel

The wheel of FAT series is made of galvanized sheet of steel forward curved blades. To obtain maximum efficiency & low noise level, these wheel are specifically profiled. A die cast aluminum hub a precisely machined bore key is fitted to the wheel plates. The wheel is statistically & dynamically balanced.



Housing

The housing is manufactured in galvanized sheet steel with the housing fixed to the side plates by using pittsburg lock for sizes.



Frame

For the "L" leg is made of GI sheet which is manufactured by processing of punching and bending in the way that ensures correct dimensions and also maximum rigidity in its class. For type "F" frames are of GI sheet angle at which GI sheet is sheared, bent and spot welded to form a rigid frame to provide strength and stability to the fan.



Shaft

Shafts are manufactured from EN8 carbon with key ways at both ends and at the center for hub wheel. All the dimension tolerance of the shaft are fully checked to ensure a precision fit. All the shafts are coated with anti-corrosion varnish after assembly



Bearings

All the bearings used are deep groove wall ball bearings type sealed at both side. The bearings are self-aligning with an eccentric collar for clamping onto the shaft and each bearing shaft and each bearing sits in the side of moulded rubber housing. All the bearings are lubricated for life maintenance free under a normal operating conditions





FAT Series

Double Inlet Double Width Belt Driven Forward Inclined Fan

Introduction

FAT series is a double Double Inlet and Double Width (DIDW) centrifugal blower with a forward inclined. These fans are suitable for supply and exhaust application in commercial and industrial (HVAC) systems.

These impeller are statistically and dynamically balanced.

Type

The FAT series is available in type L (leg) and F (frame)

Size :- 7"x7" to 18"x18"

Capacity:- upto 6000 CFM

Static Pressure :- upto 40 mmwg



FAT 2 Series

Double Inlet Double Width Belt Driven Forward Inclined Fan

Introduction

FAT 2 series is also available in twin fan version, with two double inlet fans mounted on the same shaft.

To select for twin fans, use the curves of single fan with the following factors:-

Volume- x2

Absorbed Power- x 2.15

Speed- x 1.05

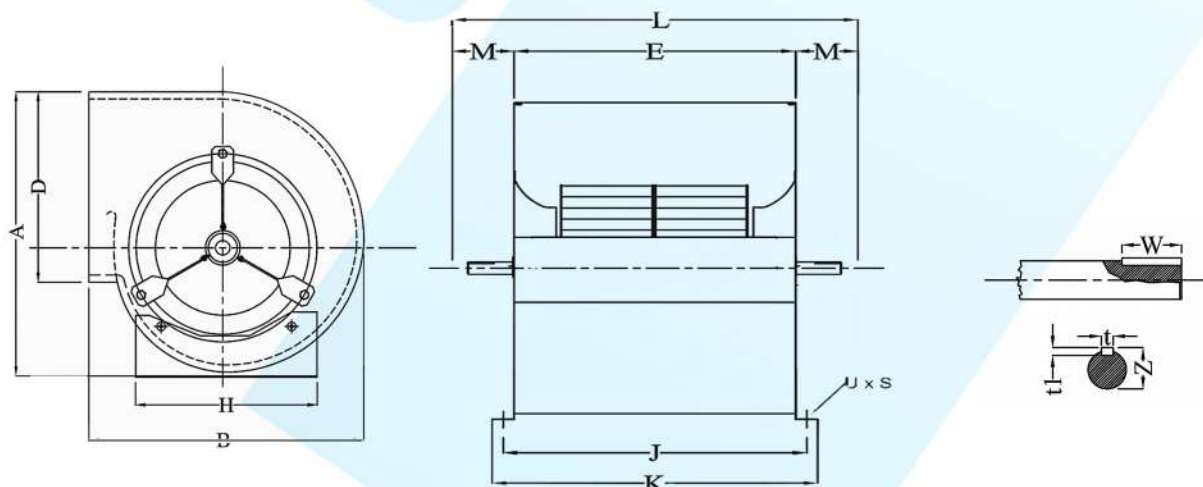
Noise- + 3 dB

Size :- 7"x7" to 18"x18"

Capacity:- upto 12000 CFM

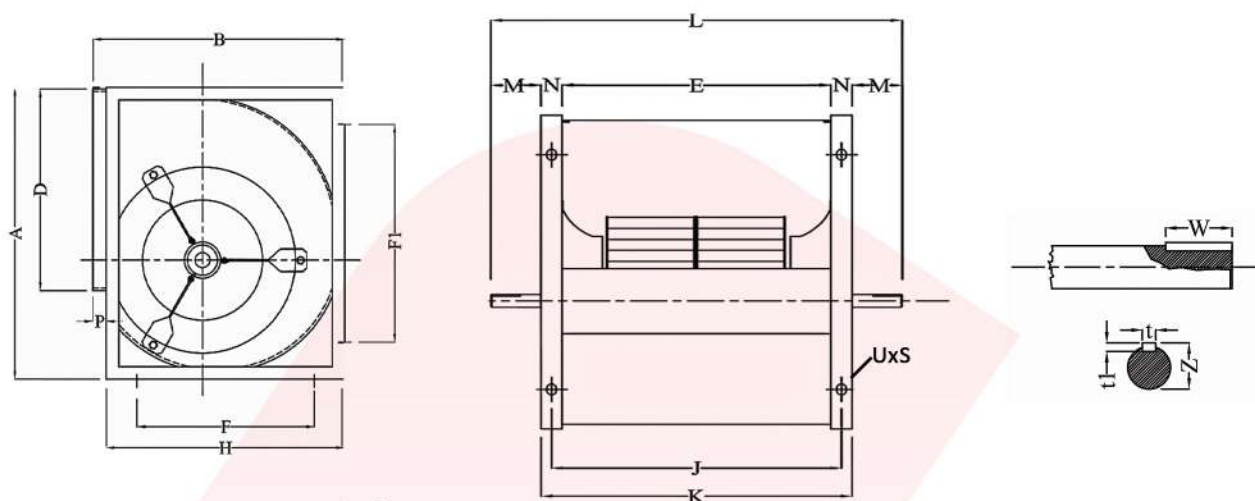
Static Pressure :- upto 40 mmwg

Technical Details



FAT 7x7 - 18x18 'L'

Model	A	B	D	E	H	J	K	L	M	t	t1	W	φd	Z	Uxs
7X7	355	312	230	248	201	273	298	360	56	6	6	30	20	22.5	11*16
9X9	400	377	275	295	250	320	345	385	45	6	6	20	20	22.5	11*16
10X10	452	430	290	330	300	355	380	430	50	6	6	28	20	22.5	11*16
12X12	527	495	350	395	400	420	445	510	57.5	6	6	28	25	28	11*16
15X15	620	568	406	476	502	501	526	610	67	8	8	8	25	28	11*16
18X18	754	687	476	552	603	577	602	690	69	8	8	8	25	28	11*16

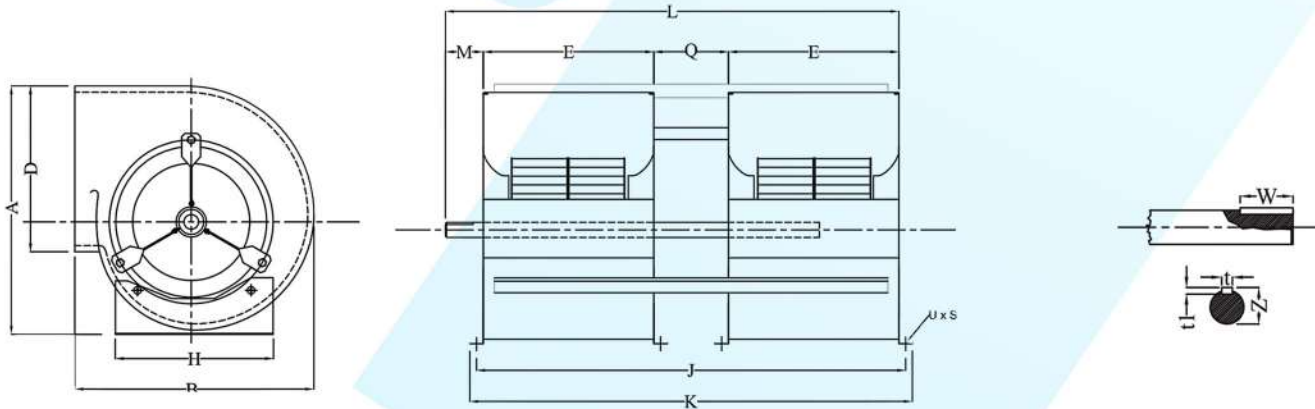


FAT 7x7 - 18x18 'F'

Model	A	B	D	E	F	F1	H	J	K	L	M	N	P	t	t1	W	φd	Z	Uxs
7X7	337	321	230	248	136	262	286	278	308	425	59	30	35	6	6	30	20	22.5	11*16
9X9	403	395	275	295	160	303	360	325	355	470	58	30	35	6	6	30	20	22.5	11*16
10X10	455	435	290	330	200	355	400	360	390	515	63	30	35	6	6	30	20	22.5	11*16
12X12	532	510	350	395	275	432	475	425	455	600	73	30	35	6	6	40	25	28	11*16
15X15	620	571	406	476	336	520	536	516	556	670	57	40	35	8	8	40	25	28	11*16
18X18	752	700	476	552	460	652	660	592	632	765	67	40	40	8	8	40	25	28	11*16

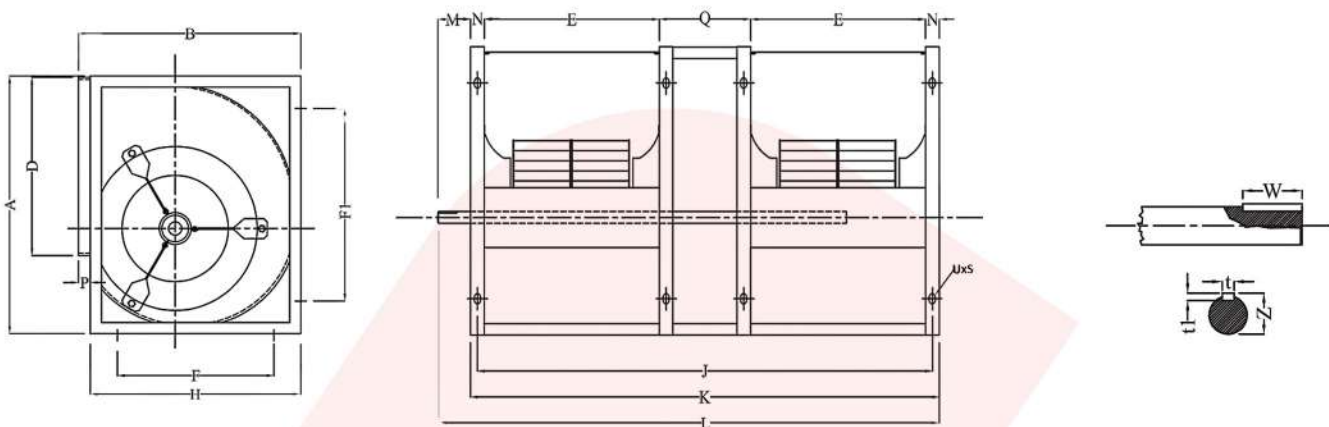
* All dimensions are in mm and it may vary at the time of production

Technical Details



FAT 7x7 - 18x18 'L2'

Model	A	B	D	E	H	J	K	L	M	Q	t	t1	W	φd	Z	Uxs
7X7	355	312	230	248	201	707	732	802	90	186	6	6	60	20	22.5	11*16
9X9	400	377	275	295	250	845	870	940	90	230	6	6	60	20	22.5	11*16
	400	377	275	295	250	845	870	950	100	230	6	6	60	25	28	11*16
10X10	452	430	290	330	300	939	964	1034	90	254	6	6	60	25	28	11*16
	455	430	290	330	300	939	964	1044	100	254	6	6	70	30	33	11*16
12X12	527	495	350	395	400	1135	1160	1260	120	320	6	6	90	30	33	11*16
15X15	620	568	406	476	502	1357	1382	1492	120	380	8	8	90	30	33	11*16
	620	568	406	476	502	1357	1382	1507	135	380	8	8	90	35	38	11*16
18X18	754	687	476	552	603	1594	1619	1729	120	465	8	8	90	35	38	11*16
	754	687	476	552	603	1594	1619	1744	135	465	8	8	90	40	43	11*16



FAT 7x7 - 18x18 'F2'

Model	A	B	D	E	F	F1	H	J	K	L	M	N	P	Q	t	t1	W	φd	Z	Uxs
7X7	337	321	230	248	136	262	286	712	742	812	70	30	35	186	6	6	60	20	22.5	11*16
9X9	403	395	275	295	160	303	360	850	880	950	70	30	35	230	6	6	60	20	22.5	11*16
	403	395	275	295	160	303	360	850	880	960	80	30	35	230	6	6	60	25	28	11*16
10X10	455	435	290	330	200	355	400	944	974	1044	70	30	35	254	6	6	60	25	28	11*16
	455	435	290	330	200	355	400	944	974	1054	80	30	35	254	6	6	70	30	33	11*16
12X12	532	510	350	395	275	432	475	1140	1170	1270	100	30	35	320	6	6	90	30	33	11*16
15X15	620	571	406	476	336	520	536	1372	1412	1512	100	40	35	380	8	8	90	30	33	11*16
	620	571	406	476	336	520	536	1372	1412	1527	115	40	35	380	8	8	90	35	38	11*16
18X18	752	700	476	552	460	652	660	1609	1649	1749	100	40	40	465	8	8	90	35	38	11*16
	752	700	476	552	460	652	660	1609	1649	1764	115	40	40	465	8	8	90	40	43	11*16

* All dimensions are in mm and it may vary at the time of production



FATD Series

Double Inlet Double Width Direct Driven Forward Inclined Fan

Introduction

FATD series is a double Double Inlet and Double Width (DIDW) centrifugal blower with a forward curve. These fans are suitable for supply and exhaust application in commercial and industrial (HVAC) systems.

These impeller are statistically and dynamically balanced.

Specification

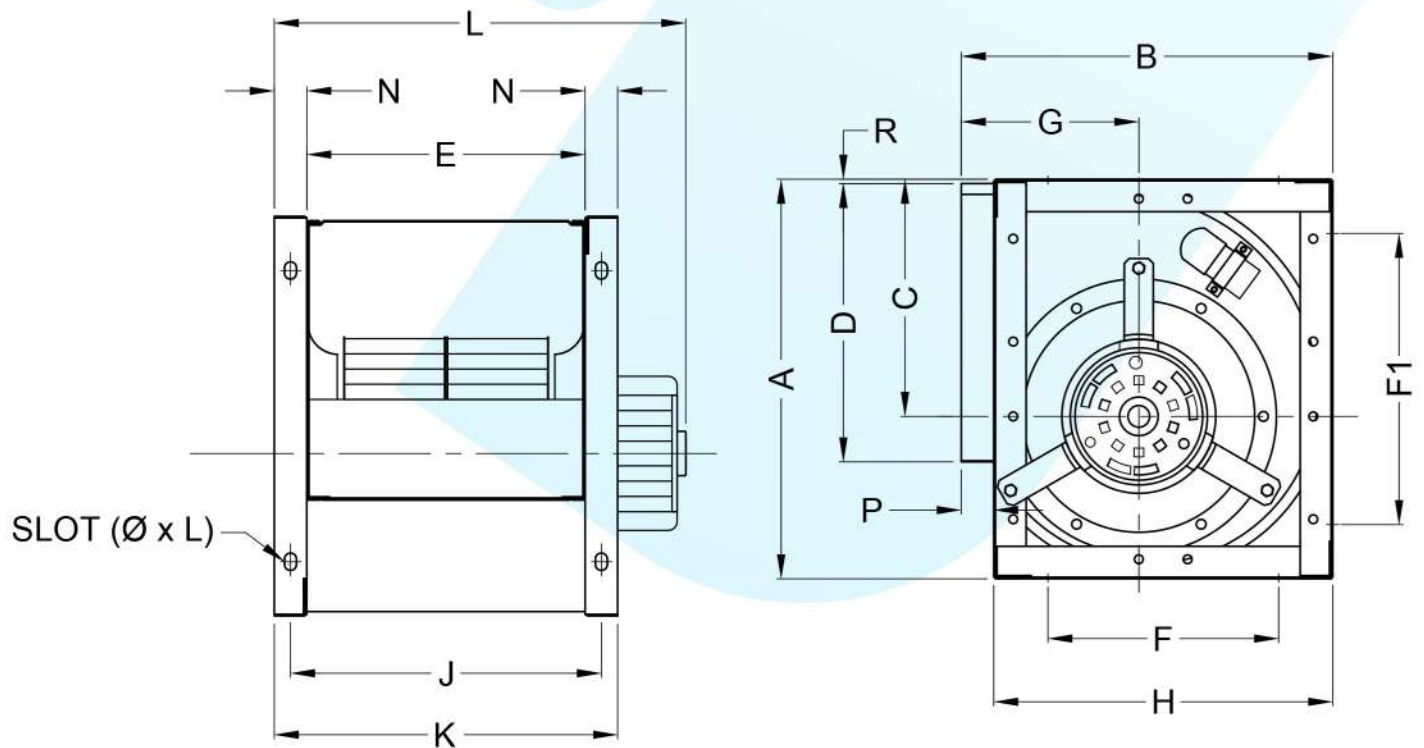
The FATD series is available in type L (leg) and F (frame)

Size :- 7"x7" to 18"x18"

Capacity:- upto 6000 CFM

Static Pressure :- upto 40 mmwg

Technical Details



FATD 9x9 - 12x12

MODEL	A	B	C	D	E	F	G	F1	H	J	K	L	N	P	R	Ø x L
FATD 9/9	403	355	210.5	265	295	260	184.5	303	360	325	355	NA	30	35	8	Ø11x16
FATD 10/10	455	435	245.5	295	330	300	204.5	355	400	360	390	NA	30	35	8	Ø11x16
FATD 12/12	532	510	245.5	340	395	375	198.5	432	475	425	455	555	30	35	8	Ø11x16

* All dimensions are in mm and it may vary at the time of production



FAFC F Series

Double Inlet Double Width Belt Driven Forward Inclined Fan

Introduction

FAFC F series has a frame fitted on both sides of the fan which gives better strength and rigidity. It allows mounting in four different orientations.

Specification

Size :- 180 mm to 710 mm

Capacity:- upto 20000 CFM

Static Pressure :- upto 65 mmwg



FAFC P Series

Double Inlet Double Width Belt Driven Forward Inclined Fan

Introduction

FAFC P series has a welded frame, giving increased stiffness and rigidity required for higher operating performance

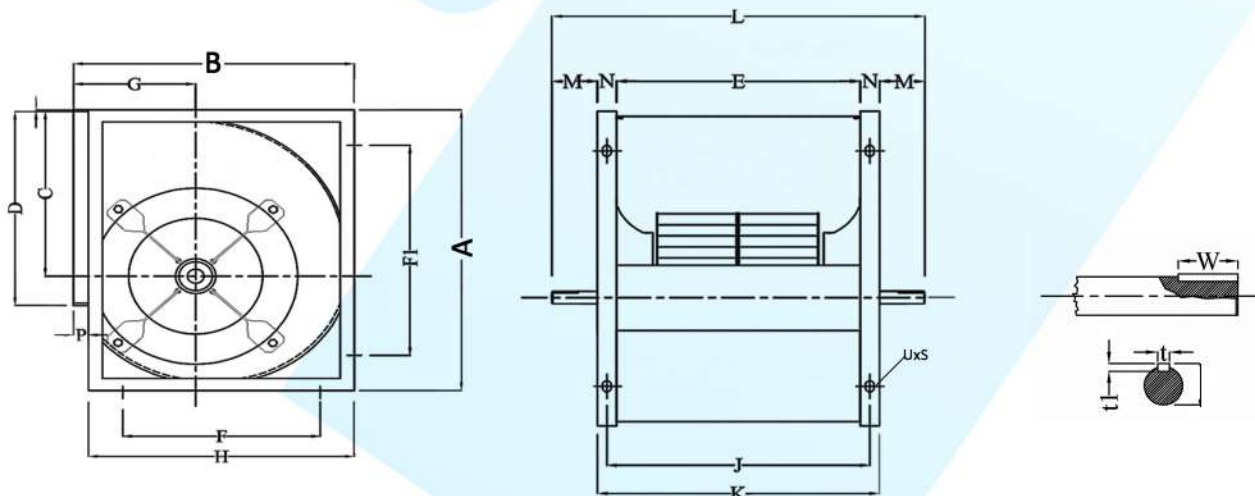
Specification

Size :- 800 mm to 1000 mm

Capacity:- upto 40000 CFM

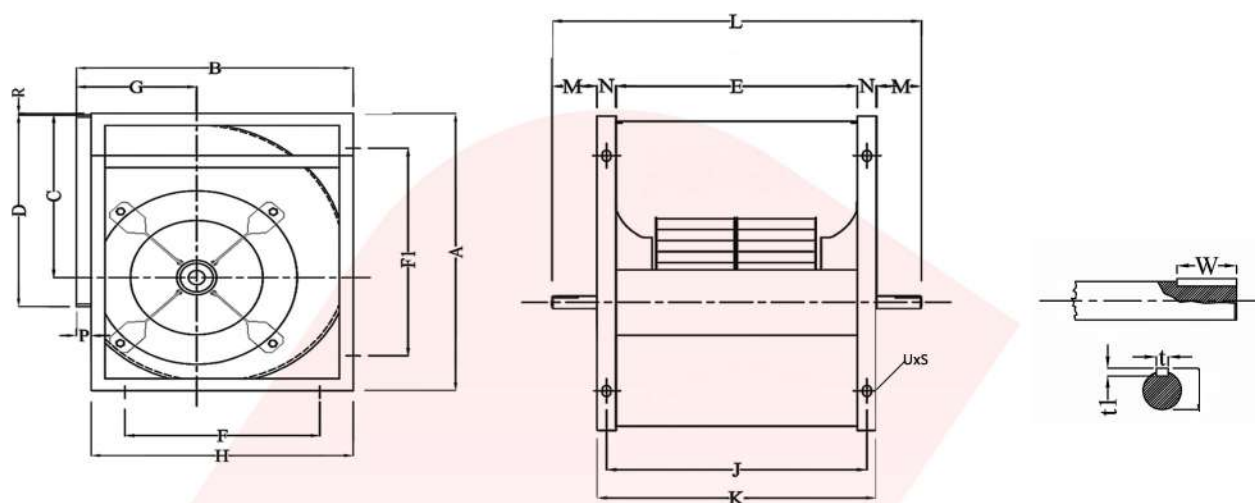
Static Pressure :- upto 65 mmwg

Technical Details



FAFC- 400 F

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	R	t	t1	W	φd	UxS
180	336	317	200	238	221	187	154	236	287	251	281	400	59.5	30	30	4	6	6	40	20	11*16
200	369	343	215	257	257	213	164	164	313	287	317	440	62	30	30	4	6	6	40	20	11*16
225	417	383	243	288	288	248	180	317	348	318	348	465	59	30	35	4	6	6	40	20	11*16
250	460	418	270	324	324	283	194	360	383	354	384	500	58	30	35	4	6	6	40	20	11*16
280	518	466	302	358	358	331	214	418	431	388	418	570	76	30	35	5	7	8	45	25	11*16
315	582	520	340	408	408	385	236	482	485	438	468	620	76	30	35	5	7	8	45	25	11*16
355	654	578	383	457	457	343	260	454	543	497	537	680	72	40	35	6	7	8	45	30	11*16
400	739	655	432	507	507	415	290	539	615	547	587	740	77	40	40	6	6	6	40	30	11*16

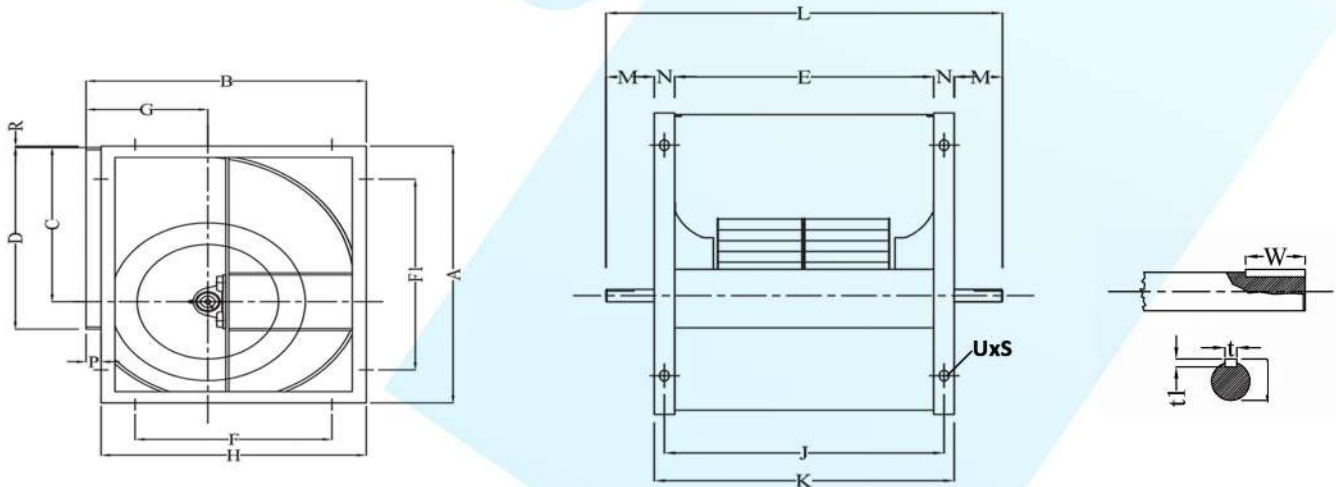


FAFC- 450-710 F

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	R	t	t1	W	φd	UxS
450	832	728	487	574	574	488	322	632	688	614	654	820	83	40	40	7	10	8	50	35	11*16
500	920	801	534	645	645	551	351	720	751	685	725	924	100	40	50	7	10	8	50	35	11*16
560	1030	900	603	720	720	650	397	830	850	770	820	1000	90	50	50	7	12	8	70	40	24*17
630	1156	1000	676	808	808	645	434	856	945	858	908	1100	96	50	55	8	14	9	70	45	24*17
710	1311	1127	770	908	908	767	488	1011	1067	958	1008	1235	114	50	60	8	14	9	90	50	24*17

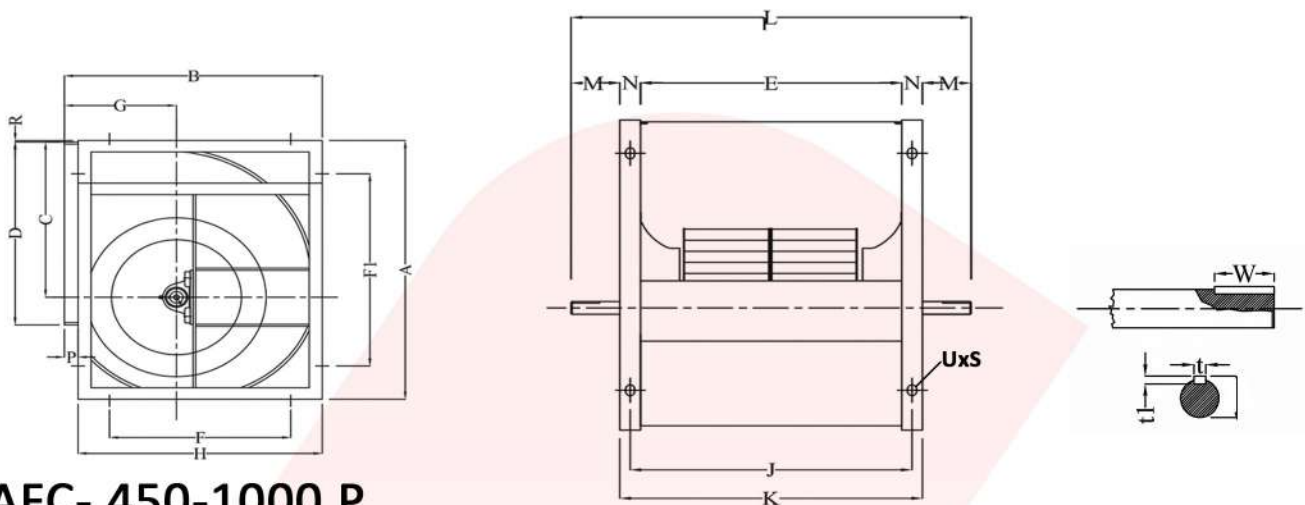
* All dimensions are in mm and it may vary at the time of production

Technical Details



FAFC- 400 P

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	R	t	t1	W	φd	UxS
180	336	317	200	238	221	187	154	236	287	251	281	400	59.5	30	30	4	6	6	40	20	11*16
200	369	343	215	257	257	213	164	164	313	287	317	440	62	30	30	4	6	6	40	20	11*16
225	417	383	243	288	288	248	180	317	348	318	348	465	59	30	35	4	6	6	40	20	11*16
250	460	418	270	324	324	283	194	360	383	354	384	500	58	30	35	4	6	6	40	20	11*16
280	518	466	302	358	358	331	214	418	431	388	418	570	76	30	35	5	7	8	45	25	11*16
315	582	520	340	408	408	385	236	482	485	438	468	620	76	30	35	5	7	8	45	25	11*16
355	654	578	383	457	457	343	260	454	543	497	537	680	72	40	35	6	7	8	45	30	11*16
400	739	655	432	507	507	415	290	539	615	547	587	740	77	40	40	6	6	6	40	30	11*16



FAFC- 450-1000 P

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	R	t	t1	W	φd	UxS
450	832	728	487	574	574	488	322	632	688	614	654	820	83	40	40	7	10	8	50	35	11*16
500	920	801	534	645	645	551	351	720	751	685	725	924	100	40	50	7	10	8	50	35	11*16
560	1030	900	603	720	720	650	397	830	850	770	820	1000	90	50	50	7	12	8	70	40	24*17
630	1156	1000	676	808	808	645	434	856	945	858	908	1100	96	50	55	8	14	9	70	45	24*17
710	1311	1127	770	908	908	767	488	1011	1067	958	1008	1235	114	50	60	8	14	9	90	50	24*17
800	1468	1255	862	1017	1017	830	540	1118	1180	1067	1117	1390	137	50	75	8	16	10	90	55	24*17
900	1650	1409	970	1145	1145	969	603	1300	1319	1195	1245	1560	158	50	90	9	18	11	90	60	24*17
1000	1810	1540	1065	1265	1265	1100	656	1460	1450	1315	1365	1730	183	50	90	9	20	12	100	70	24*17

* All dimensions are in mm and it may vary at the time of production



FAFC F2 Series

Double Inlet Double Width Belt Driven Forward Inclined Fan

Introduction

FAFC F2 series is also available in twin fan version, with two double inlet fans mounted on the same shaft.

To select for twin fans, use the curves of single fan with the following factors:-

Volume- x2

Absorbed Power- x 2.15

Speed- x 1.05

Noise- + 3 dB

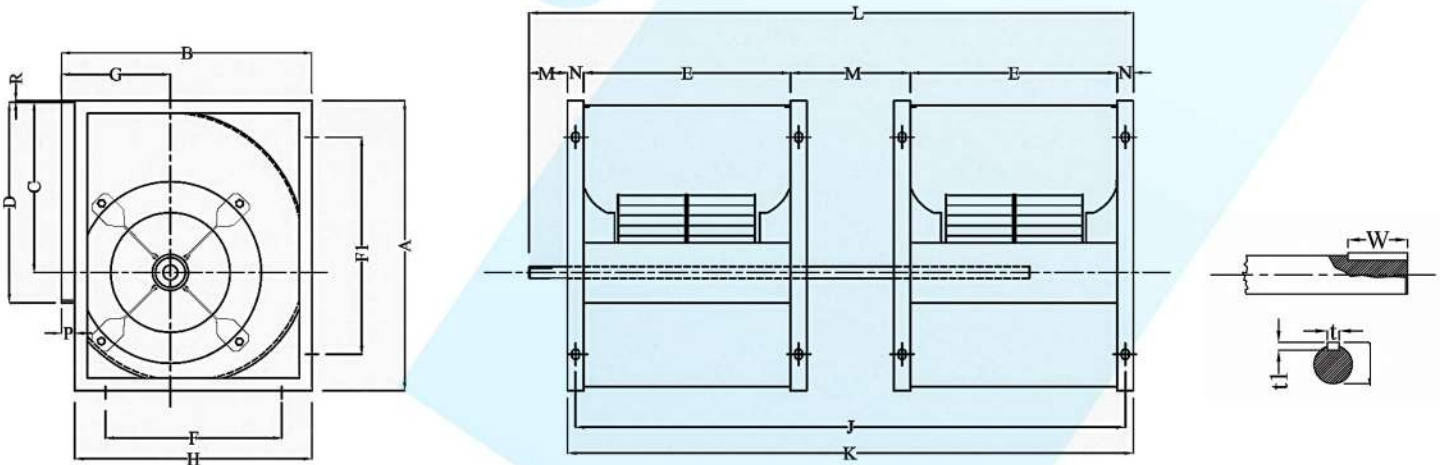
Specification

Size :- 7"x7" to 18"x18"

Capacity :- upto 12000 CFM

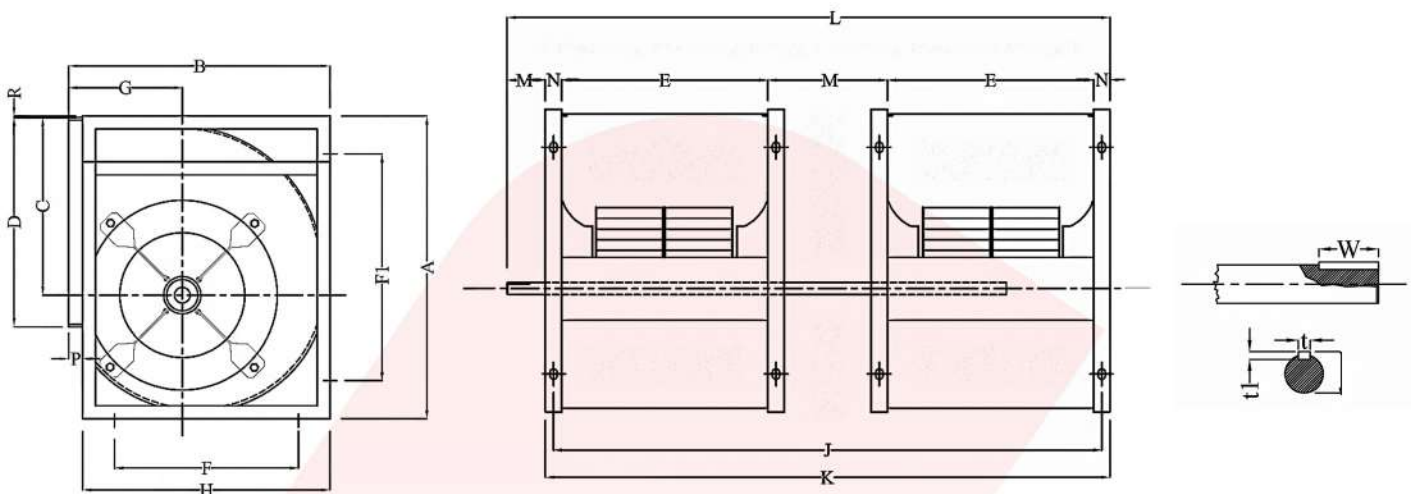
Static Pressure :- upto 40 mmwg

Technical Details



FAFC- 400 F2

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	Q	R	t	t1	W	φd
400	739	655	432	507	507	415	290	739	615	547	587	740	77	40	40	400	6	10	8	50	35



FAFC- 450-500 F2

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	Q	R	t	t1	W	φd
450	832	728	487	574	574	488	322	832	688	1638	1678	1761	83	40	40	450	7	12	8	70	40
500	920	801	534	645	645	551	351	920	751	1830	1870	1970	100	40	50	500	7	12	8	70	40

* All dimensions are in mm and it may vary at the time of production



FAFCSD Series

Single Inlet Single Width Direct Driven Forward Inclined Fan

Introduction

FAFCSD series has a frame fitted on one sides of the fan which gives strength and rigidity. Generally used for Exhaust of various applications like printing & flexible packing machinery, forced ventilation etc.

Specification

Size :- 180 mm to 1000 mm

Capacity:- upto 20000 CFM

Static Pressure :- upto 65 mmwg



FAFCSB Series

Single Inlet Single Width Belt Driven Forward Inclined Fan

Introduction

FAFCSB series has a frame fitted on one sides of the fan which gives strength and rigidity. Generally used for Exhaust of various applications like printing & flexible packing machinery, forced ventilation etc.

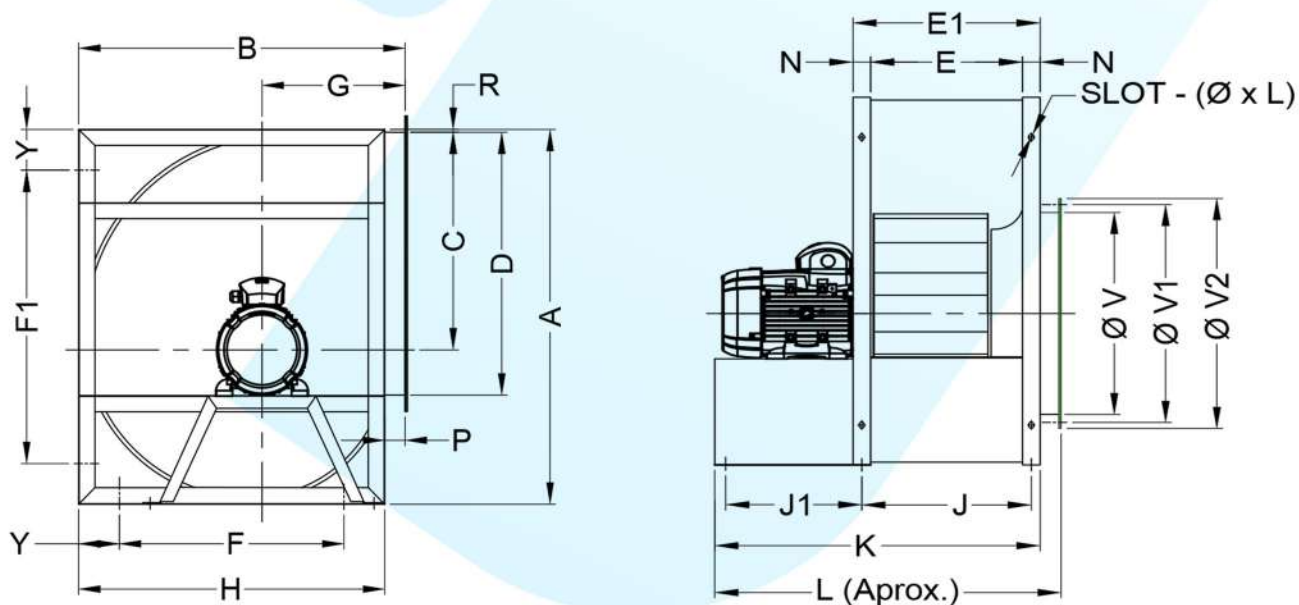
Specification

Size :- 180 mm to 1000 mm

Capacity:- upto 20000 CFM

Static Pressure :- upto 65 mmwg

Technical Details

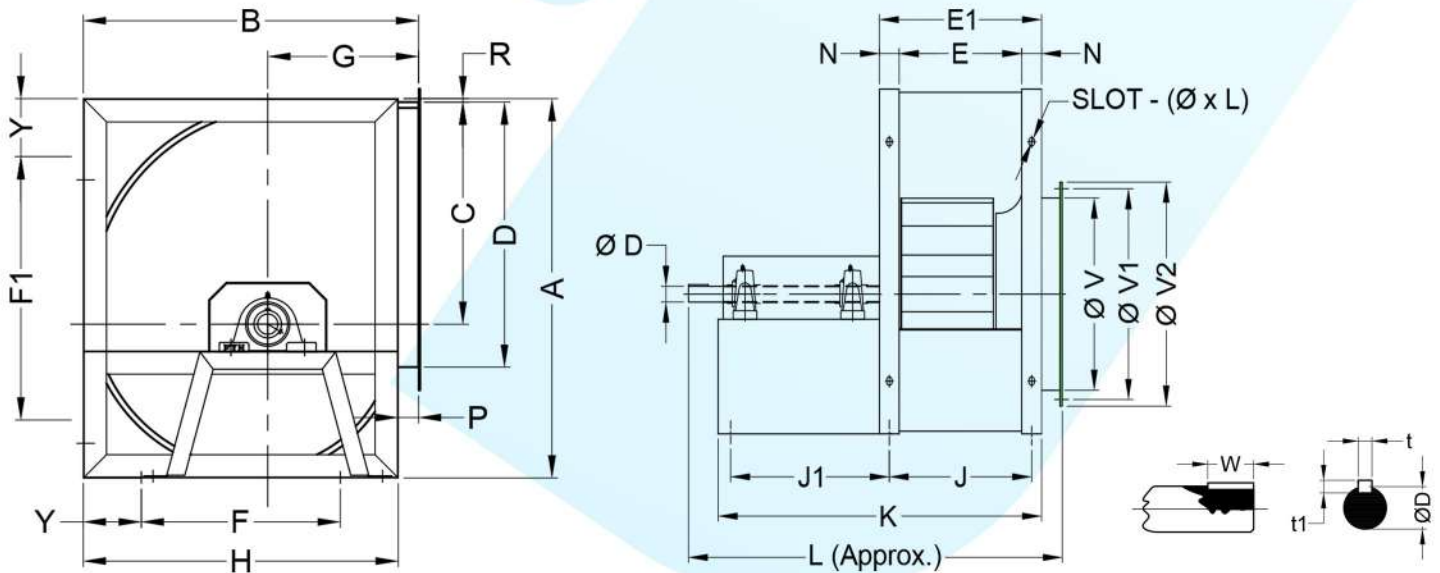


FAFCSD- 200 - 1120

MODEL	A	B	C	D	E	E1	F1	F	Y	G	H	J	J1*	K*	L*	N	P	R	ØV	ØV1	ØV2	ØxL
FAFCSD-200	369	343	215	257	140	200	269	213	50	164	313	170	220	420	470	30	30	4	210	230	270	Ø11x16
FAFCSD-225	417	383	243	288	160	220	317	248	50	180	348	190	220	440	490	30	35	4	230	258	290	Ø11x16
FAFCSD-250	460	418	270	324	175	235	360	283	50	194	383	205	220	455	505	30	35	4	285	320	355	Ø11x16
FAFCSD-280	518	466	302	358	195	255	418	331	50	214	431	225	270	525	575	30	35	5	297	327	357	Ø11x16
FAFCSD-315	577	520	340	408	223	283	382	385	50	236	485	253	274	567	617	30	35	5	315	356	395	Ø11x16
FAFCSD-355	654	578	383	457	247	327	454	343	100	260	543	277	325	652	692	40	35	6	365	400	425	Ø11x16
FAFCSD-400	739	655	432	507	274	354	539	415	100	290	615	314	320	679	719	40	40	6	400	438	480	Ø11x16
FAFCSD-400	832	728	487	574	308	388	632	488	100	322	688	347	345	732	772	40	40	7	450	495	530	Ø11x16
FAFCSD-500	920	801	534	645	345	425	720	551	100	351	751	384	360	789	829	40	50	7	500	541	580	Ø11x16
FAFCSD-560	1030	900	603	720	383	483	830	650	100	397	850	432	378	860	910	50	50	7	500	605	646	Ø17x24
FAFCSD-630	1156	1000	676	808	433	533	956	745	100	434	945	483	400	933	983	50	55	8	630	674	716	Ø17x24
FAFCSD-710	1311	1127	770	908	479	579	1011	767	150	488	1067	529	420	999	1049	50	55	8	720	765	800	Ø17x24
FAFCSD-800	1469	1255	862	1017	533	633	1118	830	175	540	1180	583	440	1073	1123	50	75	8	800	837	866	Ø17x24
FAFCSD-900	1650	1409	970	1145	595	695	1300	969	175	603	1319	645	490	1185	1235	50	90	8	920	960	1000	Ø17x24
FAFCSD-1000	1810	1540	1065	1265	663	763	1460	1100	175	656	1450	713	510	1273	1323	50	90	8	1000	1043	1086	Ø17x24
FAFCSD-1120	2033	1725	1200	1422	744	844	1683	1280	175	748	1630	794	572	1416	1576	50	95	9	1105	1170	1205	Ø17x24

* All dimensions are in mm and it may vary at the time of production

Technical Details



FAFCSB- 200 - 1120

MODEL	A	B	C	D	E	E1	F1	F	Y	G	H	J	J1*	K*	L*	N	P	R	ØV	ØV1	ØV2	ØxL
FAFCSB-200	369	343	215	257	140	200	269	213	50	164	313	170	220	420	470	30	30	4	210	230	270	Ø11x16
FAFCSB-225	417	383	243	288	160	220	317	248	50	180	348	190	220	440	490	30	35	4	230	258	290	Ø11x16
FAFCSB-250	460	418	270	324	175	235	360	283	50	194	383	205	220	455	505	30	35	4	285	320	355	Ø11x16
FAFCSB-280	518	466	302	358	195	255	418	331	50	214	431	225	270	525	575	30	35	5	297	327	357	Ø11x16
FAFCSB-315	577	520	340	408	223	283	382	385	50	236	485	253	274	567	617	30	35	5	315	356	395	Ø11x16
FAFCSB-355	654	578	383	457	247	327	454	343	100	260	543	277	325	652	692	40	35	6	365	400	425	Ø11x16
FAFCSB-400	739	655	432	507	274	354	539	415	100	290	615	314	320	679	719	40	40	6	400	438	480	Ø11x16
FAFCSB-400	832	728	487	574	308	388	632	488	100	322	688	347	345	732	772	40	40	7	450	495	530	Ø11x16
FAFCSB-500	920	801	534	645	345	425	720	551	100	351	751	384	360	789	829	40	50	7	500	541	580	Ø11x16
FAFCSB-560	1030	900	603	720	383	483	830	650	100	397	850	432	378	860	910	50	50	7	500	605	646	Ø17x24
FAFCSB-630	1156	1000	676	808	433	533	956	745	100	434	945	483	400	933	983	50	55	8	630	674	716	Ø17x24
FAFCSB-710	1311	1127	770	908	479	579	1011	767	150	488	1067	529	420	999	1049	50	55	8	720	765	800	Ø17x24
FAFCSB-800	1469	1255	862	1017	533	633	1118	830	175	540	1180	583	440	1073	1123	50	75	8	800	837	866	Ø17x24
FAFCSB-900	1650	1409	970	1145	595	695	1300	969	175	603	1319	645	490	1185	1235	50	90	8	920	960	1000	Ø17x24
FAFCSB-1000	1810	1540	1065	1265	663	763	1460	1100	175	656	1450	713	510	1273	1323	50	90	8	1000	1043	1086	Ø17x24
FAFCSB-1120	2033	1725	1200	1422	744	844	1683	1280	175	748	1630	794	572	1416	1576	50	95	9	1105	1170	1205	Ø17x24

* All dimensions are in mm and it may vary at the time of production

FABC SERIES

Double Inlet Double Width Backward Curved Fan



FABC F



FABC P



FABCSD



FAPF



FABC SB

Introduction

FABC Series is a Double Inlet Double Width (DIDW) centrifugal blower with Backward Inclined wheel. These fans are suitable for Supply & exhaust application in commercial & industrial (HVAC) systems. Maximum operating speed and power of each fan type is due to its mechanical design. The operating limit of different fan types of FABC series is set according to the requirement of Class I, II & III limit as defined in **AMCA Standard 99-16**.

TECHNICAL SPECIFICATION

Wheel

The wheel of FABC series is made of Mild Steel backward inclined blades. To obtain maximum efficiency & low noise level, these wheels are specifically profiled. A die cast aluminum hub with a precisely machined bore key is fitted to the wheel plates. The wheel is statistically & dynamically balanced.



Housing

The housing is manufactured in galvanized sheet steel with the housing fixed to the side plates by using pittsburg lock for sizes.



Frame

For the "L" leg is made of GI sheet which is manufactured by processing of punching and bending in the way that ensures correct dimensions and also maximum rigidity in its class. For type "F" frames are of GI sheet angle at which GI sheet is sheared, bent and spot welded to form a rigid frame to provide strength and stability to the fan.



Shaft

Shafts are manufactured from EN8 carbon with key ways at both ends and at the center for hub wheel. All the dimension tolerance of the shaft are fully checked to ensure a precision fit. All the shafts are coated with anti-corrosion varnish after assembly.



Bearings

All the bearings used are deep groove ball bearings type sealed at both sides. The bearings are self-aligning with an eccentric collar for clamping onto the shaft and each bearing sits in the side of the moulded rubber housing. All the bearings are lubricated for life maintenance free under normal operating conditions.





FABC F Series

Double Inlet Double Width Belt Driven Backward Inclined Fan

Introduction

FABC F series has a frame fitted on both sides of the fan which gives better strength and rigidity. It allows mounting in four different orientations.

Specification

Size :- 180 mm to 710mm

Capacity:- upto 20000 CFM

Static Pressure :- upto 200 mmwg



FABC P Series

Double Inlet Double Width Belt Driven Backward Inclined Fan

Introduction

FABC P series has a welded frame, giving increased stiffness and rigidity required for higher operating performance.

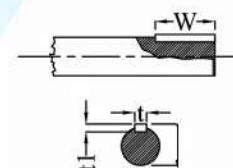
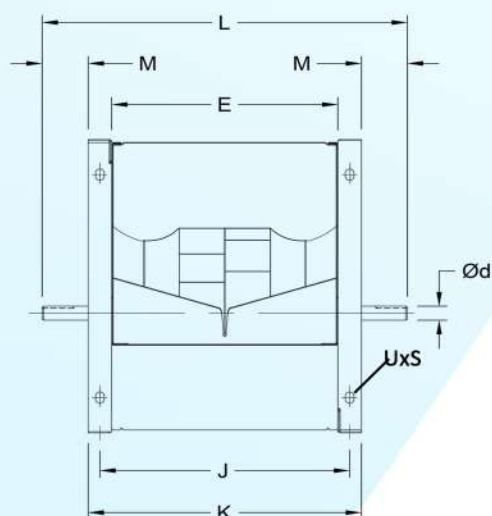
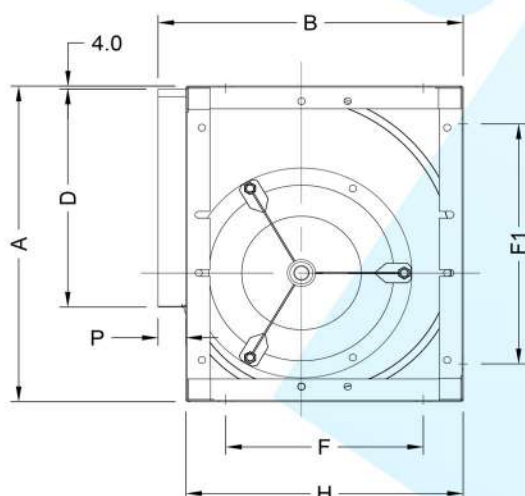
Specification

Size :- 800 mm to 1250 mm

Capacity:- upto 60000 CFM

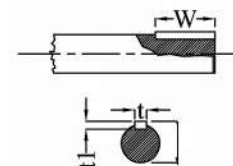
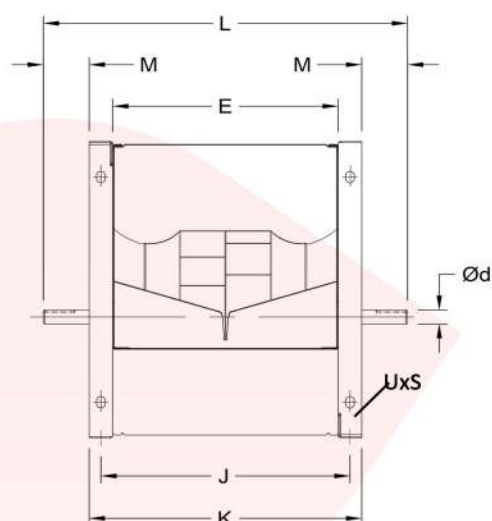
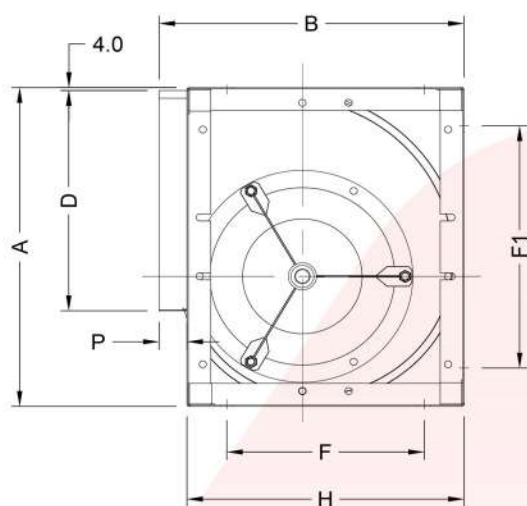
Static Pressure :- upto 200 mmwg

Technical Details



FABC- 400 F

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	R	t	t1	W	φd	UxS
180	336	317	200	238	221	187	154	236	287	251	281	400	59.5	30	30	4	6	6	40	20	11*16
200	369	343	215	257	257	213	164	164	313	287	317	440	62	30	30	4	6	6	40	20	11*16
225	417	383	243	288	288	248	180	317	348	318	348	465	59	30	35	4	6	6	40	20	11*16
250	460	418	270	324	324	283	194	360	383	354	384	500	58	30	35	4	6	6	40	20	11*16
280	518	466	302	358	358	331	214	418	431	388	418	570	76	30	35	5	7	8	45	25	11*16
315	582	520	340	408	408	385	236	482	485	438	468	620	76	30	35	5	7	8	45	25	11*16
355	654	578	383	457	457	343	260	454	543	497	537	680	72	40	35	6	7	8	45	30	11*16
400	739	655	432	507	507	415	290	539	615	547	587	740	77	40	40	6	6	6	40	30	11*16

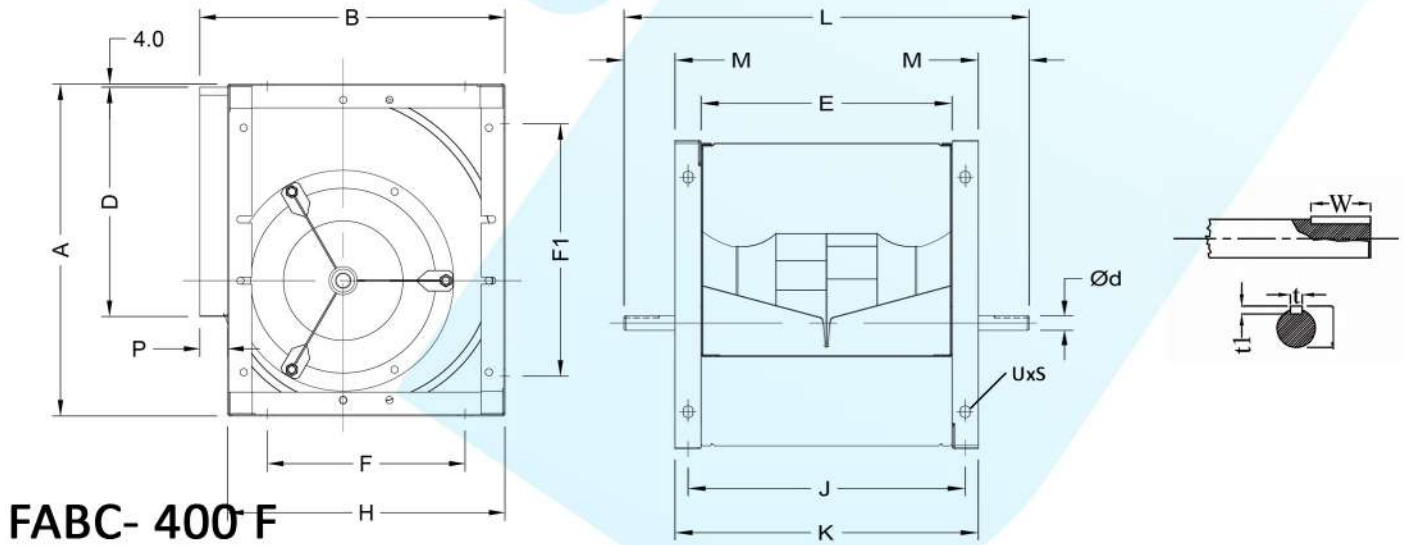


FABC- 450-710 F

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	R	t	t1	W	φd	UxS
450	832	728	487	574	574	488	322	632	688	614	654	820	83	40	40	7	10	8	50	35	11*16
500	920	801	534	645	645	551	351	720	751	685	725	924	100	40	50	7	10	8	50	35	11*16
560	1030	900	603	720	720	650	397	830	850	770	820	1000	90	50	50	7	12	8	70	40	24*17
630	1156	1000	676	808	808	645	434	856	945	858	908	1100	96	50	55	8	14	9	70	45	24*17
710	1311	1127	770	908	908	767	488	1011	1067	958	1008	1235	114	50	60	8	14	9	90	50	24*17

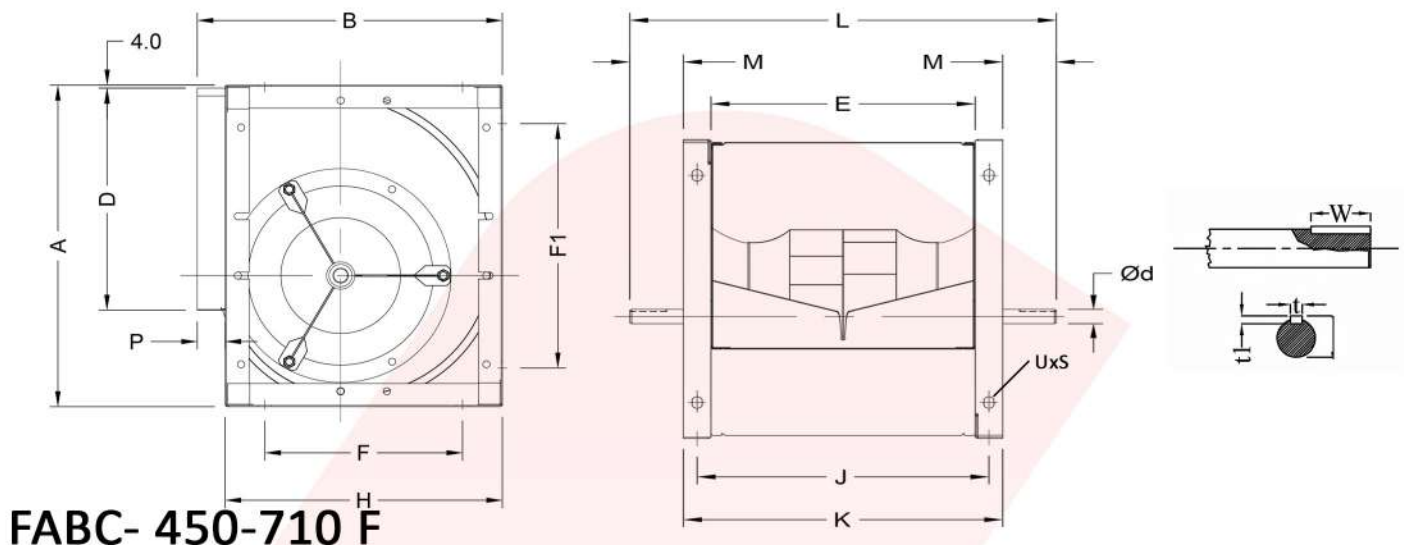
* All dimensions are in mm and it may vary at the time of production

Technical Details



FABC- 400 F

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	R	t	t1	W	φd	UxS
180	336	317	200	238	221	187	154	236	287	251	281	400	59.5	30	30	4	6	6	40	20	11*16
200	369	343	215	257	257	213	164	164	313	287	317	440	62	30	30	4	6	6	40	20	11*16
225	417	383	243	288	288	248	180	317	348	318	348	465	59	30	35	4	6	6	40	20	11*16
250	460	418	270	324	324	283	194	360	383	354	384	500	58	30	35	4	6	6	40	20	11*16
280	518	466	302	358	358	331	214	418	431	388	418	570	76	30	35	5	7	8	45	25	11*16
315	582	520	340	408	408	385	236	482	485	438	468	620	76	30	35	5	7	8	45	25	11*16
355	654	578	383	457	457	343	260	454	543	497	537	680	72	40	35	6	7	8	45	30	11*16
400	739	655	432	507	507	415	290	539	615	547	587	740	77	40	40	6	6	6	40	30	11*16



FABC- 450-710 F

Model	A	B	C	D	E	F	G	F1	H	J	K	L	M	N	P	R	t	t1	W	φd	UxS
450	832	728	487	574	574	488	322	632	688	614	654	820	83	40	40	7	10	8	50	35	11*16
500	920	801	534	645	645	551	351	720	751	685	725	924	100	40	50	7	10	8	50	35	11*16
560	1030	900	603	720	720	650	397	830	850	770	820	1000	90	50	50	7	12	8	70	40	24*17
630	1156	1000	676	808	808	645	434	856	945	858	908	1100	96	50	55	8	14	9	70	45	24*17
710	1311	1127	770	908	908	767	488	1011	1067	958	1008	1235	114	50	60	8	14	9	90	50	24*17

* All dimensions are in mm and it may vary at the time of production



FABCS Series

Single Inlet Single Width Direct Driven Backward Inclined Fan

Introduction

FABCS series has a frame fitted on one sides of the fan which gives strength and rigidity. Generally used for Exhaust of various applications like Dust Collector, Kitchen Exhaust, Industrial Exhaust.

Specification

Size :- 180 mm to 1250 mm

Capacity:- upto 30000 CFM

Static Pressure :- upto 200 mmwg



FABCSB Series

Single Inlet Single Width Belt Driven Backward Inclined Fan

Introduction

FABCSB series has a frame fitted on one side of the fan which gives strength and rigidity. Generally used for Exhaust of various applications like Dust Collector, Kitchen Exhaust, Industrial Exhaust.

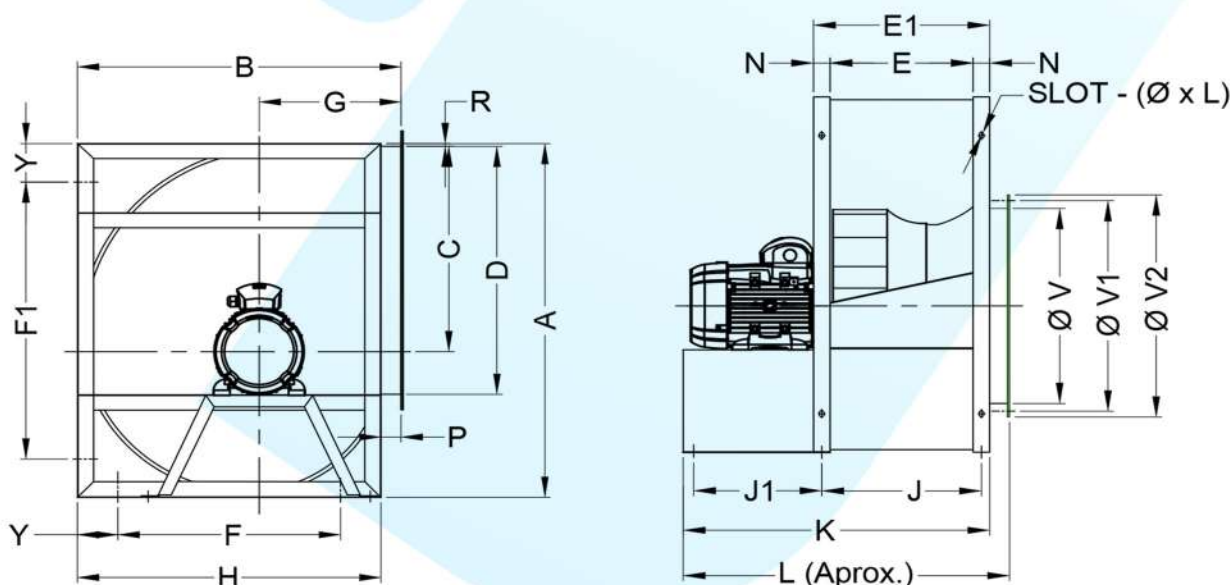
Specification

Size :- 180 mm to 1250 mm

Capacity:- upto 30000 CFM

Static Pressure :- upto 200 mmwg

Technical Details

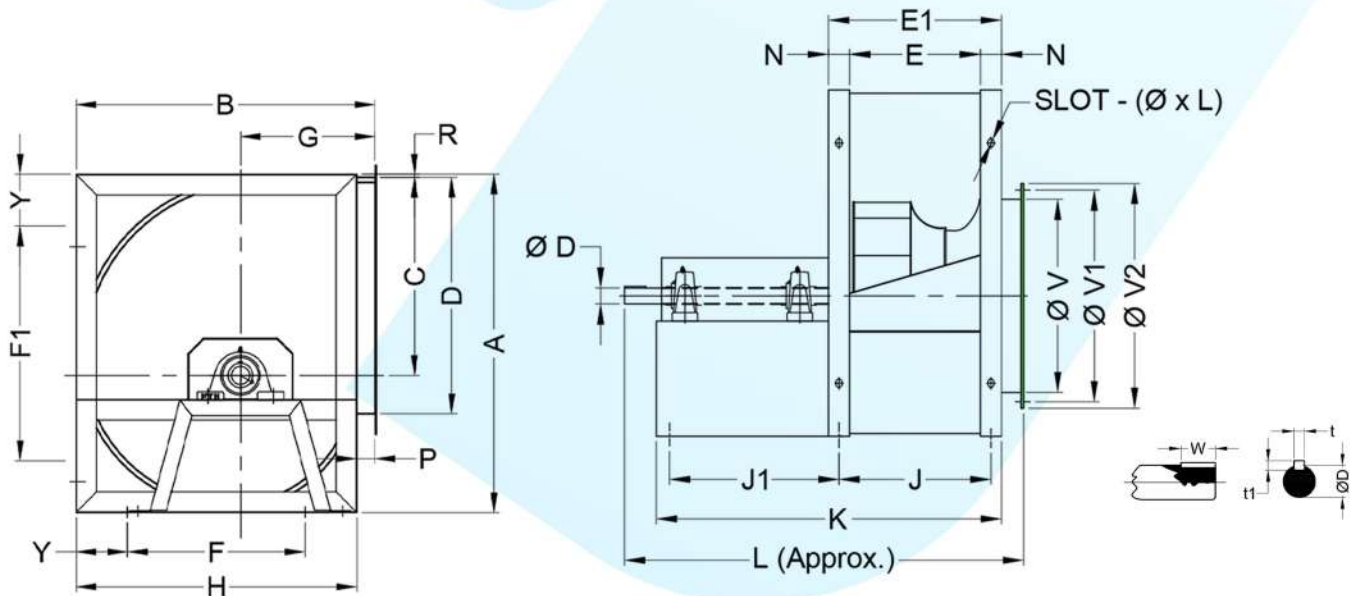


FABCS- 200 - 1120

MODEL	A	B	C	D	E	E1	F1	F	Y	G	H	J	J1*	K*	L*	N	P	R	ØV	ØV1	ØV2	ØxL
FABCS-200	369	343	215	257	140	200	269	213	50	164	313	170	220	420	470	30	30	4	210	230	270	Ø11x16
FABCS-225	417	383	243	288	160	220	317	248	50	180	348	190	220	440	490	30	35	4	230	258	290	Ø11x16
FABCS-250	460	418	270	324	175	235	360	283	50	194	383	205	220	455	505	30	35	4	285	320	355	Ø11x16
FABCS-280	518	466	302	358	195	255	418	331	50	214	431	225	270	525	575	30	35	5	297	327	357	Ø11x16
FABCS-315	577	520	340	408	223	283	382	385	50	236	485	253	274	567	617	30	35	5	315	356	395	Ø11x16
FABCS-355	654	578	383	457	247	327	454	343	100	260	543	277	325	652	692	40	35	6	365	400	425	Ø11x16
FABCS-400	739	655	432	507	274	354	539	415	100	290	615	314	320	679	719	40	40	6	400	438	480	Ø11x16
FABCS-400	832	728	487	574	308	388	632	488	100	322	688	347	345	732	772	40	40	7	450	495	530	Ø11x16
FABCS-500	920	801	534	645	345	425	720	551	100	351	751	384	360	789	829	40	50	7	500	541	580	Ø11x16
FABCS-560	1030	900	603	720	383	483	830	650	100	397	850	432	378	860	910	50	50	7	500	605	646	Ø17x24
FABCS-630	1156	1000	676	808	433	533	956	745	100	434	945	483	400	933	983	50	55	8	630	674	716	Ø17x24
FABCS-710	1311	1127	770	908	479	579	1011	767	150	488	1067	529	420	999	1049	50	55	8	720	765	800	Ø17x24
FABCS-800	1469	1255	862	1017	533	633	1118	830	175	540	1180	583	440	1073	1123	50	75	8	800	837	866	Ø17x24
FABCS-900	1650	1409	970	1145	595	695	1300	969	175	603	1319	645	490	1185	1235	50	90	8	920	960	1000	Ø17x24
FABCS-1000	1810	1540	1065	1265	663	763	1460	1100	175	656	1450	713	510	1273	1323	50	90	8	1000	1043	1086	Ø17x24
FABCS-1120	2033	1725	1200	1422	744	844	1683	1280	175	748	1630	794	572	1416	1576	50	95	9	1105	1170	1205	Ø17x24

* All dimensions are in mm and it may vary at the time of production

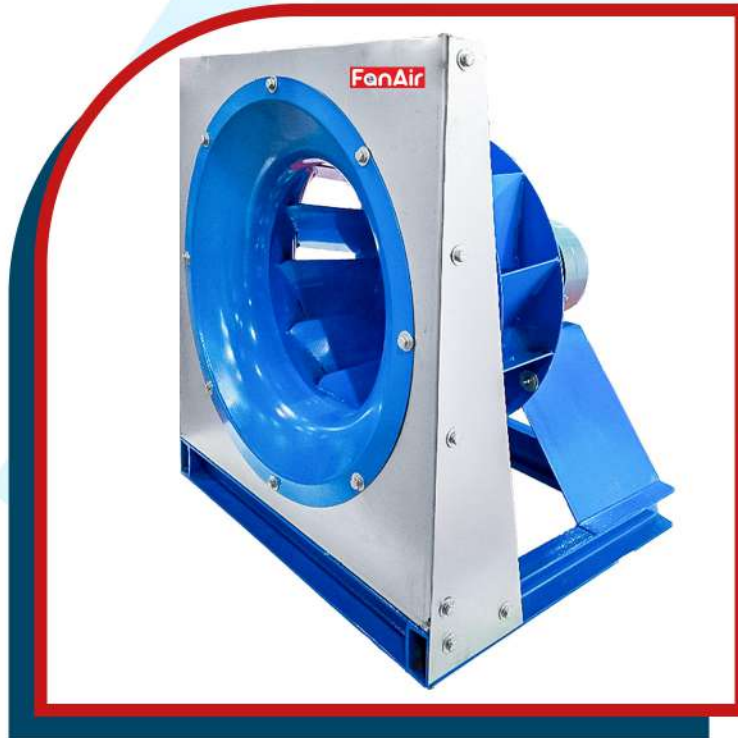
Technical Details



FABCSB- 200 - 1120

MODEL	A	B	C	D	E	E1	F1	F	Y	G	H	J	J1*	K*	L*	N	P	R	ØV	ØV1	ØV2	ØxL
FABCSB-200	369	343	215	257	140	200	269	213	50	164	313	170	220	420	470	30	30	4	210	230	270	Ø11x16
FABCSB-225	417	383	243	288	160	220	317	248	50	180	348	190	220	440	490	30	35	4	230	258	290	Ø11x16
FABCSB-250	460	418	270	324	175	235	360	283	50	194	383	205	220	455	505	30	35	4	285	320	355	Ø11x16
FABCSB-280	518	466	302	358	195	255	418	331	50	214	431	225	270	525	575	30	35	5	297	327	357	Ø11x16
FABCSB-315	577	520	340	408	223	283	382	385	50	236	485	253	274	567	617	30	35	5	315	356	395	Ø11x16
FABCSB-355	654	578	383	457	247	327	454	343	100	260	543	277	325	652	692	40	35	6	365	400	425	Ø11x16
FABCSB-400	739	655	432	507	274	354	539	415	100	290	615	314	320	679	719	40	40	6	400	438	480	Ø11x16
FABCSB-400	832	728	487	574	308	388	632	488	100	322	688	347	345	732	772	40	40	7	450	495	530	Ø11x16
FABCSB-500	920	801	534	645	345	425	720	551	100	351	751	384	360	789	829	40	50	7	500	541	580	Ø11x16
FABCSB-560	1030	900	603	720	383	483	830	650	100	397	850	432	378	860	910	50	50	7	500	605	646	Ø17x24
FABCSB-630	1156	1000	676	808	433	533	956	745	100	434	945	483	400	933	983	50	55	8	630	674	716	Ø17x24
FABCSB-710	1311	1127	770	908	479	579	1011	767	150	488	1067	529	420	999	1049	50	55	8	720	765	800	Ø17x24
FABCSB-800	1469	1255	862	1017	533	633	1118	830	175	540	1180	583	440	1073	1123	50	75	8	800	837	866	Ø17x24
FABCSB-900	1650	1409	970	1145	595	695	1300	969	175	603	1319	645	490	1185	1235	50	90	8	920	960	1000	Ø17x24
FABCSB-1000	1810	1540	1065	1265	663	763	1460	1100	175	656	1450	713	510	1273	1323	50	90	8	1000	1043	1086	Ø17x24
FABCSB-1120	2033	1725	1200	1422	744	844	1683	1280	175	748	1630	794	572	1416	1576	50	95	9	1105	1170	1205	Ø17x24

* All dimensions are in mm and it may vary at the time of production



FAPF Series

Single Inlet Single Width Backward Inclined Plug Fan

Introduction

Plug Fan (FAPF) are the Backward Incline Centrifugal Fans which generally do not have the housing, it is known as Open Type Fan. Generally used in Pharma Industries, Fan Section

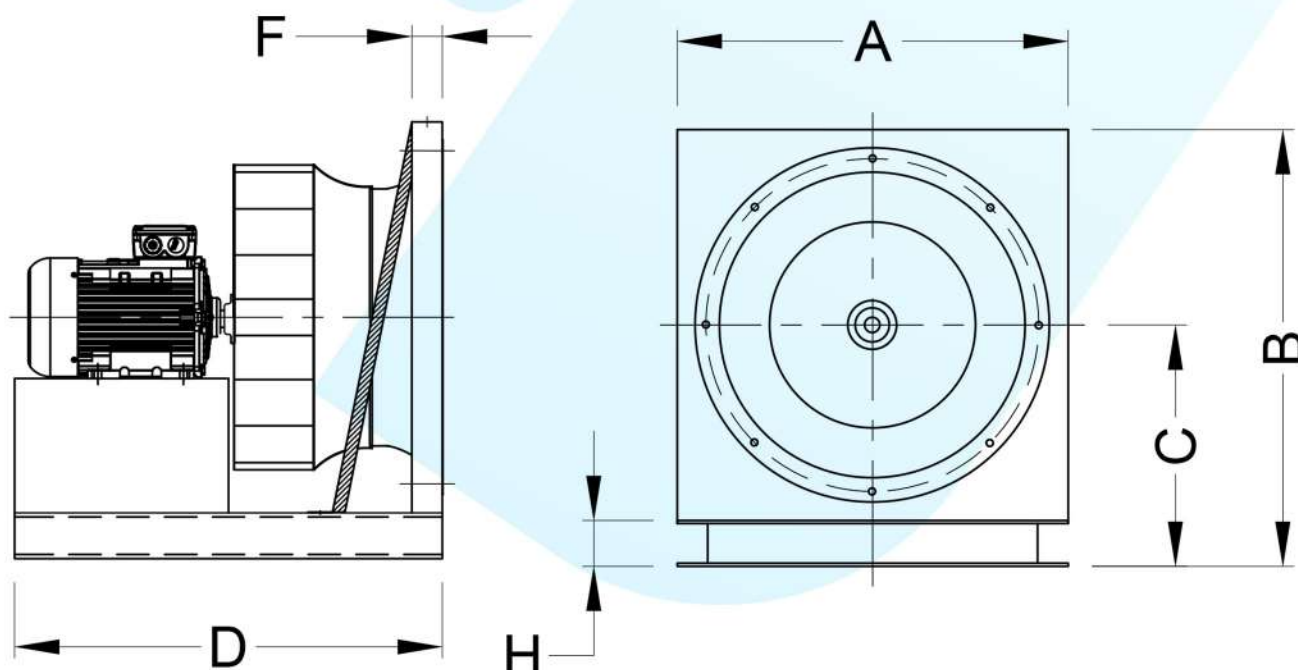
Specification

Size:- 315 mm to 1000 mm

Capacity:- upto 30000 CFM

Static Pressure:- upto 200 mmwg

Technical Details



FAPF- 315 - 1120

MODEL	A	B	C	D*	F	H
FAPF-315	440	515	295	500	50	75
FAPF-355	484	559	315	550	50	75
FAPF-400	534	609	365	580	50	75
FAPF-450	590	665	295	600	50	75
FAPF-500	640	715	320	700	50	75
FAPF-560	700	775	425	730	50	75
FAPF-630	800	875	475	750	50	75
FAPF-710	860	935	505	845	50	75
FAPF-800	950	1050	575	1050	50	100
FAPF-900	1100	1200	650	1150	50	100
FAPF-1000	1200	1200	700	1260	50	100
FAPF-1120	1320	1420	760	1360	50	100

NOTE:

- * All dimensions are in mm and it may vary at the time of production
- * D* (DIM. MAY CHANGE AS PER THE CHANGE IN MOTOR SIZE)
- * IMPELLER MOC: MS, FAN BASE MOC: MS, MOTOR BASE MOC: MS, INLET SECTION MOC: GPSP
- * TOLERANCE ± 5 MM.

AXIAL FLOW FANS



FAXF



FAXF-H



FAXF-B



FAXF-B

Introduction

Axial fans as the name implies, move an airstream along with the axis of the fan. The air is pressurised by the aerodynamic lift generated by the fan blades, much like a propeller or an air plane wing. They have less rotating mass and are compact. They are frequently used in providing general ventilation, fume exhaust and removal of hot spots.

Features

- + High performance
- + Low sound
- + Non overloading characteristics
- + Suitable for high pressure range
- + Aerofoil blades with higher lift coefficient
- + Performance flexibility with adjustable blades
- + 100% X-Rayed impellers
- + Dynamically balanced at grade of G2.5
- + Compatible with variable frequency drives
- + Die cast aluminum hub and blades
- + Rugged construction with spun flanges.

Application

- + General Ventilation
- + Fume Exhaust
- + Basement Ventilation
- + Removal of hot spots
- + Tunnel Ventilation
- + Industrial Process Applications
- + Staircase and Liftwell Pressurisation

ACCESSORIES

Inlet Bell

An inlet bell is used to boost the flow rate by 10% - 15%. It will increase the fan efficiency and reduce noise level considerably.

Guide Vanes

The flow of air past an axial flow fan wheel has a helical pattern. It is the function of guide vanes to eliminate or atleast reduce the air spin past the fan blades. We provide two ways of guide vanes which are as follows

1. Outlet Guide Vanes
2. Inlet Guide Vanes

Bird Screen

FanAir offers bird screen made of mild steel material which doesn't allow the entry of foreign material and prevents unwanted accidents.

Louver

FanAir offers transition cones for all of its axial fans equipped with some longitudinal vanes to prevent an excessive spin.

Canvas Connection

FanAir offers canvas connection to dampen the transmission of vibrations from the fan of the system. We also offer fire proof canvas connection for high temperature applications.

CONSTRUCTION FEATURES

Blades

FanAir manufactures a die cast aerofoil blades from sizes to 300-1600 mm diameter. The impellers are made of LM6 aluminium alloy for high strengths and low weight impeller for high rotational speed low sounds level. The impellers are designed for adjustable pitch to provide performance flexibility.

Hubs

FanAir offers the hubs of various diameters and blade configuration for different applications providing high efficiency low noise for the respective applications. These are designed ensuring strength and high performance to provide economical and optimized solution. These are designed with a taper lock bush to ensure a fine grip between the hub and the motor shaft and also for easy handling while assembling and dismantling.

Casing

FanAir offers casings with a spun flanges on both ends fabricated from mild steel plates. Fans are available with different mounting arrangement offering varied choices to the customer.

Motor

The standard AC motors are totally enclosed fan cooled (TEFC), squirrel caged induction type suitable for ambient temperature upto 400°C. FanAir also offers class H and high temperature motor as well as flame proof, vapour tight and other motor. We can supply VED compatible motor on the client's request.

FAXF Series

Normal Tube Axial Flow Fan Direct Drive Type

Specification

Size :- 315 mm to 1600 mm

Capacity :- upto 1,30,000 CHM

Static Pressure :- upto 60 mmwg

Impeller :- Adjustable pitch impeller

Suitable for car parking basement ventilation, tunnel ventilation, lift & staircase pressurization & industrial ventilation



FAXF H Series

Smoke Exhaust Tube Axial Flow Fan Direct Drive Type

Specification

Size :- 315 mm to 1600 mm

Capacity:- upto 1,30,000 CHM

Static Pressure :- upto 60 mmwg

Impeller :- Adjustable pitch impeller

Fire Rtd for 400 Deg C 30 min, 300 Deg C 2Hrs & 250 Deg C 2Hrs. Suitable for car parking basement ventilation, tunnel ventilation, lift & staircase pressurization & industrial ventilation

FAXF B Series

Normal Tube Axial Flow Fan Belt Drive Type

Specification

Size :- 315 mm to 1600 mm

Capacity:- upto 1,30,000 CHM

Static Pressure :- upto 60 mmwg

Impeller :- Adjustable pitch impeller

Suitable for car parking basement ventilation, tunnel ventilation, lift & staircase pressurization & industrial ventilation



FAXFB Series

Bifurcated Axial Flow Fan Direct Drive Type

Specification

Size :- 315 mm to 1600 mm

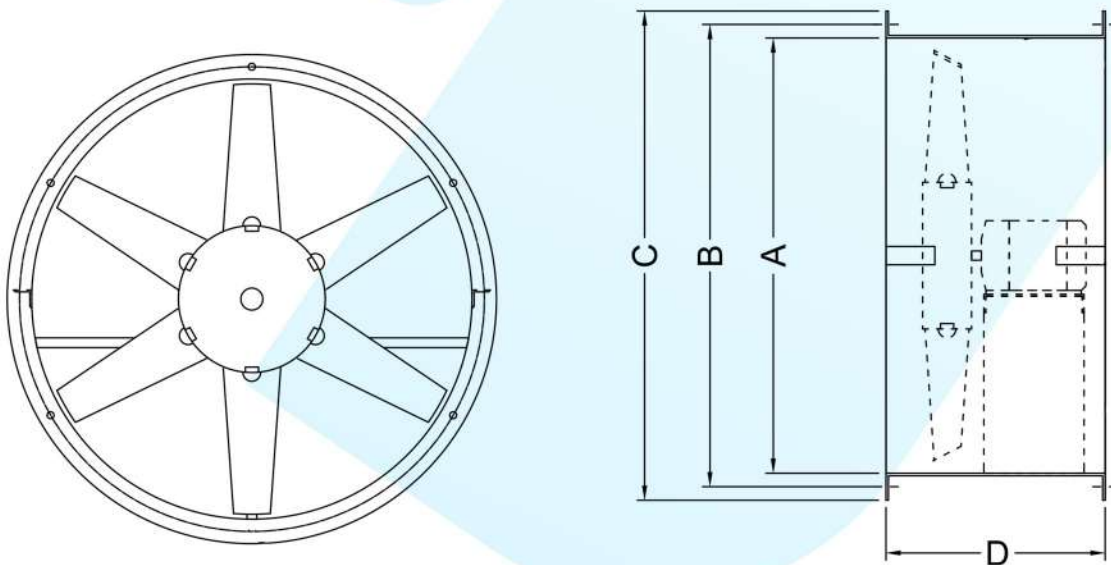
Capacity:- upto 1,30,000 CMH

Static Pressure :- upto 40 mmwg

Impeller :- Adjustable pitch impeller

Suitable for Chemical Industries, Fume Industries etc.

Technical Details

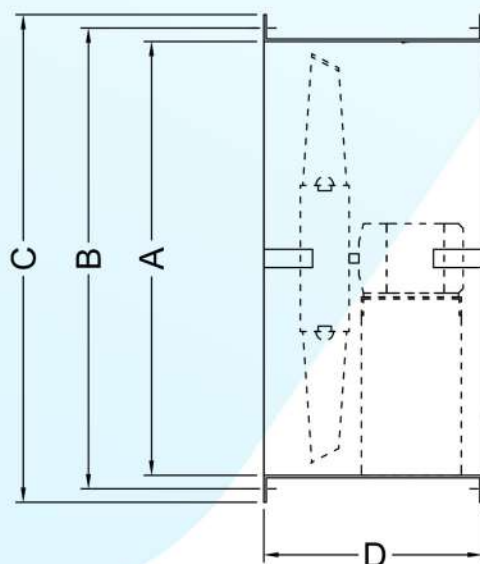
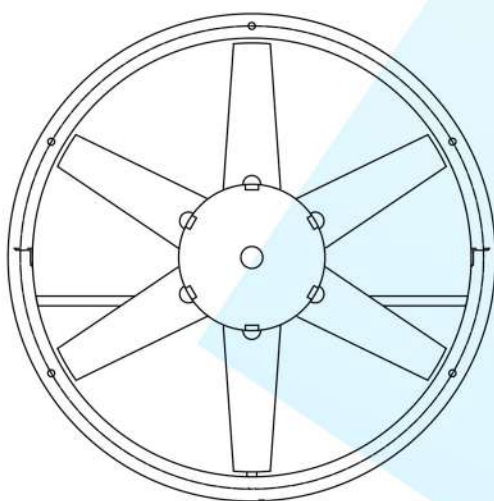


FAXF - 315-1600

Fan Dia A	Casing Width c	Flange Width	Casing Thickness	Flange Thickness
315	355	40	2	2
355	355	40	2	2
400	355	40	2	2
450	500	40	2	2
500	500	40	2	2
560	500	40	2	2
630	500	40	2	2
710	500	40	2	2
800	560	40	2	2
900	630	50	2.5	2.5
1000	630	50	2.5	2.5
1000	1000	60	2.5	2.5
1120	900	60	2.5	2.5
1250	1000	60	3	3
1400	1120	60	3	3
1600	1250	60	3	3

* All dimensions are in mm and it may vary at the time of production

Technical Details

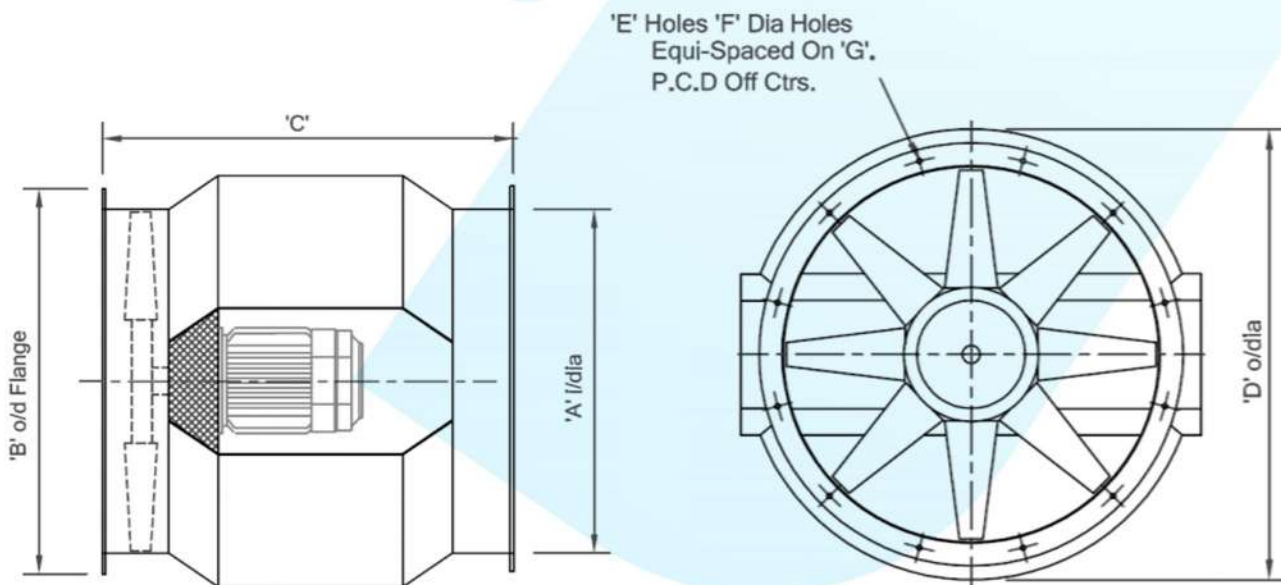


FAXF H - 315-1600

Fan Dia A	Casing Width c	Flange Width	Casing Thickness	Flange Thickness
315	355	40	2	2
355	355	40	2	2
400	355	40	2	2
450	500	40	2	2
500	500	40	2	2
560	500	40	2	2
630	500	40	2	2
710	500	40	2	2
800	560	40	2	2
900	630	50	2.5	2.5
1000	630	50	2.5	2.5
1000	1000	60	2.5	2.5
1120	900	60	2.5	2.5
1250	1000	60	3	3
1400	1120	60	3	3
1600	1250	60	3	3

* All dimensions are in mm and it may vary at the time of production

Technical Details



FAXFB - 315-1250

Fan Size	A	B	C	D	E	F	G
315	315	379	610	560	8	10	355
355	355	434	650	600	8	12	395
400	400	484	680	600	8	12	450
450	450	535	790	735	8	12	500
500	500	584	790	735	12	12	560
560	560	644	800	760	12	12	644
630	630	714	800	760	12	12	690
710	710	794	800	900	16	12	770
800	800	908	1000	1000	16	12	860
900	900	1033	1250	1200	16	15	1070
1000	1000	1133	1250	1250	16	15	1070
1120	1120	1253	1400	1450	20	18	1190
1250	1250	1406	1600	1600	20	18	1320

* All dimensions are in mm and it may vary at the time of production

JET FANS



Introduction

Jet fans—also known as impulse or induction fans—support the natural flow between the supply air and extract air zones. They provide motion in regions with low air speeds, thus guaranteeing the daily ventilation requirement for all areas. Since jet fans are only installed at particular points, they take up less than 0.5% of the ceiling area. This leaves room for other technical installations and the visibility across the parking decks is improved. Often it is even possible to reduce the storey heights. This saves time and money. For the system to be able to reach its full potential and react reliably in an emergency depends on precise planning and a perfectly-controlled interaction of all the components. This is why, if you wish, FanAir will support you right from the design phase and can offer you jet ventilation as a complete package. This means you only have a single contact and can be sure that everything functions smoothly. You only need to install it, switch it on and you're done.

INNOVATION

The Green Ventilation jet fan system from FanAir-

Our experts and developers have invested more time so that you get much less energy consumption, lower operation costs, less expense for planning, realization and commissioning. The combination of modern fans, tailored components and demand control resulting in a system fully attuned to your requirements, which is unrivalled in its efficiency i.e. 80% energy savings.

ALL INCLUSIVE PACKAGE FROM FANAIR

- + Conception of the entire system including the CFD system
- + Detailed ventilation system
- + Creation of cable lists and compilation of all components
- + Delivery of components to the building site
- + Commissioning
- + Accompanying the independent inspection with hot smoke tests

WHY JET FANS

No matter what the design of your underground car park or multi-storey car park looks like – together with you, our experienced experts will develop a solution tailored to your project, consisting of supply air, extract air and jet fans, monitoring sensors, a superordinate control system and accessories as required. This takes into account any available supply air inlets, such as entry ramps or other openings. Of course, our planning is based on the legal requirements; not forgetting the different approaches taken in the German car park regulations (GAVO) for individual federal states.

In case of Emergency

Jet fan systems from FanAir are active systems which, in an emergency, react according to a pre-saved switching matrix, thus offering people and buildings the greatest possible protection. To start with, protection targets are agreed for each project. If there is an emergency, the project-specific switching matrix ensures that the legal basic requirements and the predetermined protection targets are adhered to. These are for example maximum CO and smoke gas concentrations, required visibilities for self-rescue and preparation for fire fighting by the fire services. In case of fire, the aerodynamic forces of the jet fans (depending on the corresponding safety regulations) can build virtual smoke sections, if a structural separation of the smoke sections is not possible due to circumstances. Naturally always from the perspective of the highest efficiency and energy saving, without losing track of the investment costs.

APPLICATIONS

Perfect for renovation because of high flexibility.

Aesthetically appealing because of modern design.

Saves time as less planning is needed.

Easy to install Just install, switch on and you're done.

Good air quality: Lower concentration of hazardous substances than for conventional system.

COMPONENTS

Fan Housing- Depending on the application, the AXC fan housing is available in the following versions:

1. Hot Dip Galvanised (standard)
2. Pre Galvanised (Ventilation Control System)
3. Stainless steel (Corrosive atmosphere)

All housings have rolled flanges for airtight duct connection.

The fan sizes up to 1,600 mm are equipped with an inspection opening for checking the direction of rotation.

Fan Motor- IEC standard motors according to EN60034-5; standard, highly-efficient motors complying with the ErP Directive 327/2011. Insulation class F or H, depending on the application, 2-, 4-, 6- or 8-pole, one- or two-stage. In the standard, the standard motor is suitable for inverter speed control for motor frame sizes up to 225. Motors for applications at ambient temperatures are equipped with PTC thermistors as standard for motor protection.

Fan Impeller- Unidirectional or fully reversible blades made from die-cast aluminium (LM13 or ADC12 depending on size and application). All reversible impellers are x-rayed. Dynamically-balanced for vibration-free running. Adjustable impeller positioning angle for maximum efficiency at a standstill.

Connection Box- The standard connection box is assembled on the outside of the fan housing for quick and easy connection. Insulation class IP 65. Die-cast aluminium, powder-coated steel or stainless steel, depending on the application.

Motor Bearing- L10 motor bearing life over 40,000 hours for standard temperature motors and bearings with permanent lubrication. The bearing service life varies depending on its field of application.

Specification

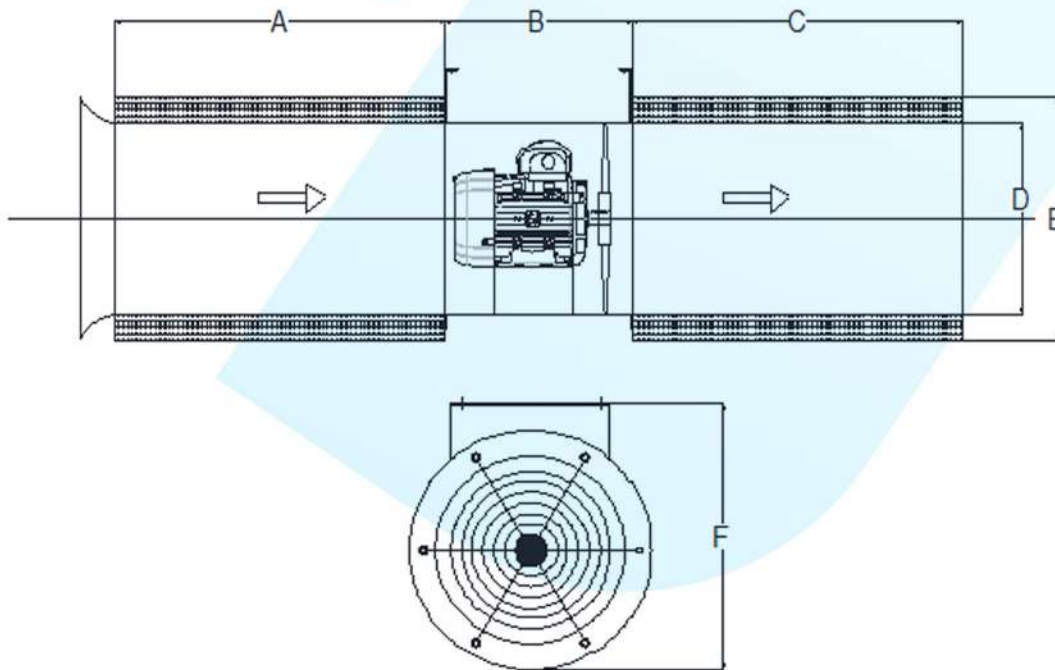
Size:- 315mm, 355mm & 400mm diameter

Capacity:- upto 11000CMH

Dual Fan Speed

Smoke exhaust/Heat Ventilation Suitable for basement car parking

Technical Details



FAJF- 315 - 400

Make	Dia	Capacity @ 2800	Capacity @ 1400	Thurst @ 2800	Thurst @ 1400	Total Length	Scilencer Length	Axial Fan Length	Rating
FanAir	400	9000	4500	60	15	2000	800	400	2.4/0.48 Kw
FanAir	355	6480	3240	40	10	1775	710	355	1.7/0.34 Kw
FanAir	315	4500	2250	24	6	1575	630	315	1.2/0.24 Kw

* All dimensions are in mm and it may vary at the time of production

INLINE FANS



Circular Inline Fan



Cabinet Inline Fan

Introduction

Inline Fans are the best option for small ventilation areas, who wants to locate the fan at to area where they need exhausting. Inline Fans are preferable with the ductwork to circulate the air from inside to outside for ventilation of small industries and home. The Inline Fans are also known as remote - mounted fan.

Applications

Inline Fans are useful for applications that include:

- Ventilation of wet spaces such as bathroom, kitchen and laundaries.
- Remote fans for kitchen range hoods.
- Duct Boosters for ventilation systems and clothes dryers.
- Supply or exhaust fans for continuous whole-house ventilation.
- Radon mitigation systems.

Inline Fans comes in different sizes and capabilities according to the ventilation area. They are as simple as single port version or versatile multi port version.

- Single - port unit have one incoming i.e., supply duct and one outgoing i.e., exhaust duct.
- Multi - port version have multiple ducts with a minimum of one inlet and one exhaust.

A Single fan can then can manage air movement to or from multiple locations (e.g., two bathrooms). By Varying duct sizes, inserting "Y" fitting to branch duct runs, employing adjustable grille openings and varying the fan speeds, different ventilation rates are possible for each location connected. Multi-port versions offer ventilation capacity appropriate for larger - scale single family, multifamily and commercial buildings.

Specification

Circular Inline Fan

Direct Drive Circular Inline Fan

Specification

Size :- 100 mm to 315 mm

Capacity :- upto 1360 CFM

Static Pressure :- upto 25 mmwg

Cabinet Inline Fan

Direct Drive Cabinet Inline Fan

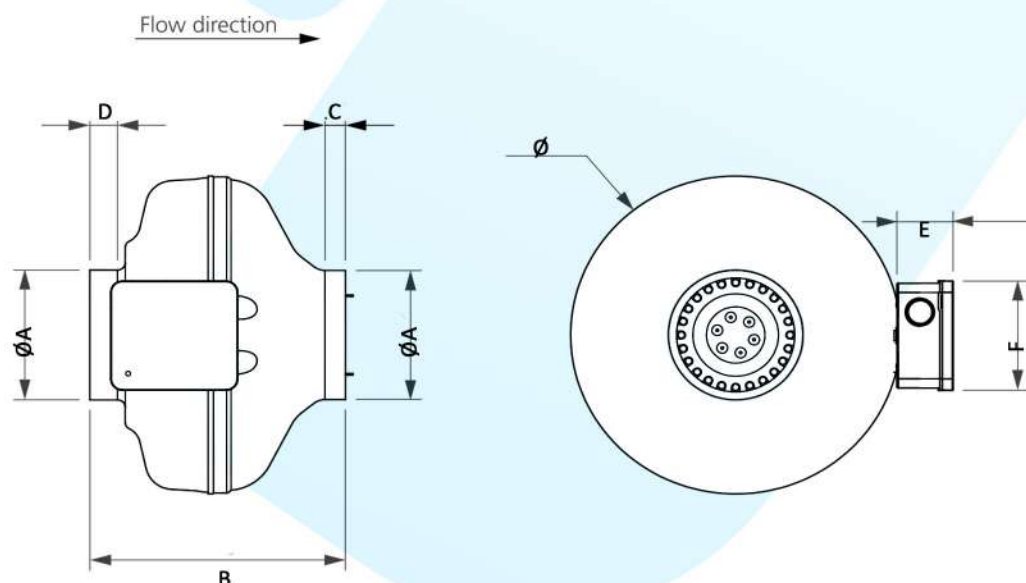
Specification

Size :- 7"x7" to 12"x12"

Capacity :- upto 4000 CFM

Static Pressure :- upto 30 mmwg

Technical Details



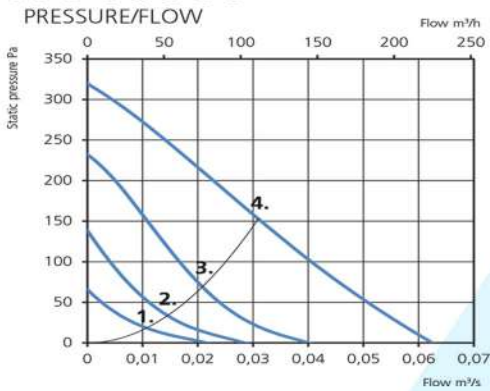
Dimensions & Technical Data

Model	ϕ	ϕA	B	C	D	E	F
FA 100 A	243	99	188	26	26	41	83
FA 100 C	243	99	188	26	26	41	83
FA 125 A	243	124	188	26	26	41	83
FA 125 C	243	124	188	26	26	41	83
FA 150 B	271	149	188	26	26	41	83
FA 150 C	271	149	188	26	26	41	83
FA 160 B	271	159	188	26	26	41	83
FA 160 C	271	159	188	26	26	41	83
FA 200 A	345	199	188	26	26	41	83
FA 250 A	345	249	188	26	26	41	83
FA 315 B	402	314	188	26	26	41	83
FA 315 C	402	314	188	26	26	41	83

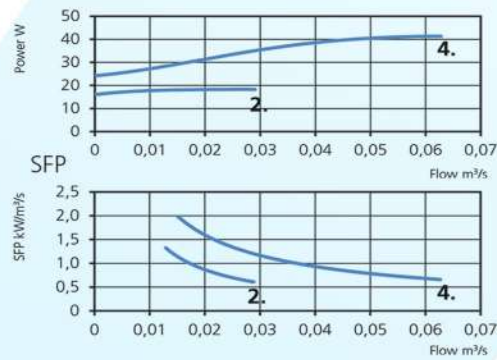
Model	Voltage	Frequency	Phase	Current	Power	Speed (R.P.M.)	Capacitor	Max. Temp of transported air	Sound Pressure Level, 3m	Weight	Wiring Diagram
FA 100 A	230V	50 Hz (60 Hz)	1 ~	0.18 A	41 W	2040	3 μ F	80 °C	37 db(A)	2.6 Kg	4040001
FA 100 C	230V	50 Hz (60 Hz)	1 ~	0.26 A	59 W	2570	2 μ F	80 °C	42 db(A)	2.6 Kg	4040001
FA 125 A	230V	50 Hz (60 Hz)	1 ~	0.18 A	41 W	1960	3 μ F	80 °C	36 db(A)	2.6 Kg	4040001
FA 125 C	230V	50 Hz (60 Hz)	1 ~	0.26 A	60 W	2530	2 μ F	80 °C	38 db(A)	2.6 Kg	4040001
FA 150 B	230V	50 Hz (60 Hz)	1 ~	0.27 A	61 W	2500	2 μ F	80 °C	39 db(A)	3 Kg	4040001
FA 150 C	230V	50 Hz (60 Hz)	1 ~	0.46 A	105 W	2580	3 μ F	75 °C	43 db(A)	4 Kg	4040001
FA 160 B	230V	50 Hz (60 Hz)	1 ~	0.26 A	60 W	2490	3 μ F	80 °C	39 db(A)	3 Kg	4040001
FA 160 C	230V	50 Hz (60 Hz)	1 ~	0.47 A	108 W	2560	3 μ F	75 °C	43 db(A)	3.9 Kg	4040001
FA 200 A	230V	50 Hz (60 Hz)	1 ~	0.57 A	129 W	2630	4 μ F	60 °C	43 db(A)	4.1 Kg	4040001
FA 250 A	230V	50 Hz (60 Hz)	1 ~	0.56 A	126 W	2650	4 μ F	60 °C	44 db(A)	4.0 Kg	4040001
FA 315 B	230V	50 Hz (60 Hz)	1 ~	0.84 A	192 W	2590	5 μ F	65 °C	46 db(A)	5.8 Kg	4040001
FA 315 C	230V	50 Hz (60 Hz)	1 ~	1.18 A	269 W	2550	8 μ F	60 °C	47 db(A)	6.0 Kg	4040001

* All dimensions are in mm and it may vary at the time of production

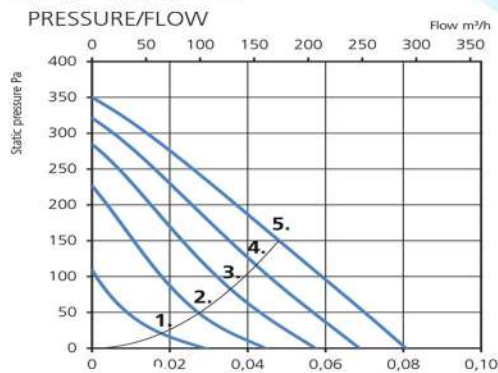
FA 100 A



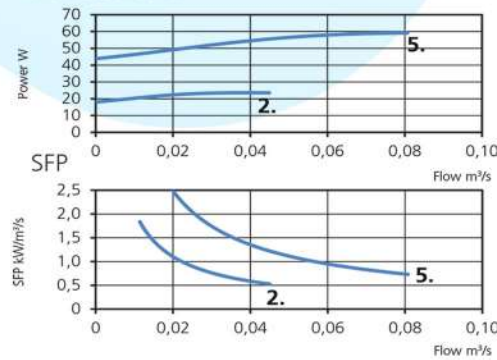
POWER/FLOW



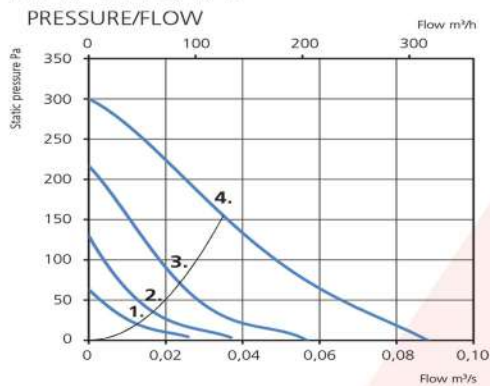
FA 100 C



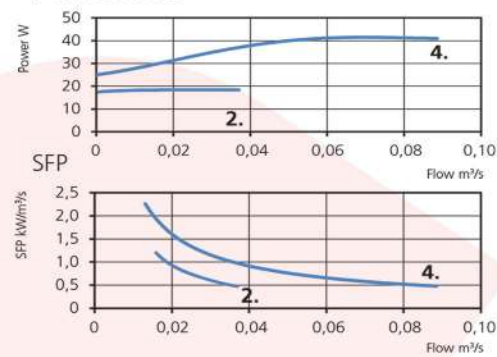
POWER/FLOW



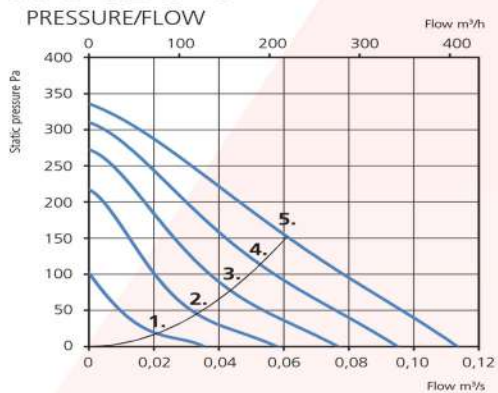
FA 125 A



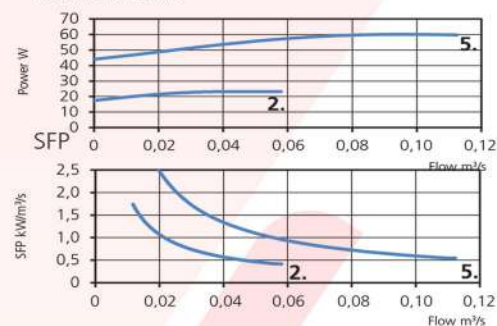
POWER/FLOW



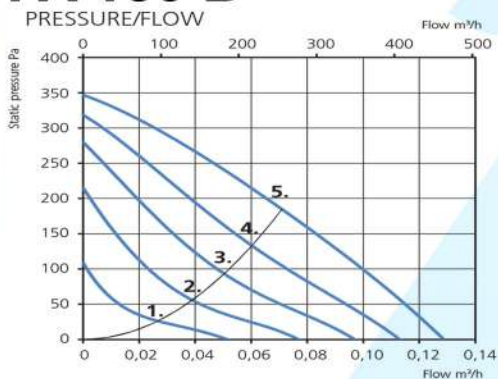
FA 125 C



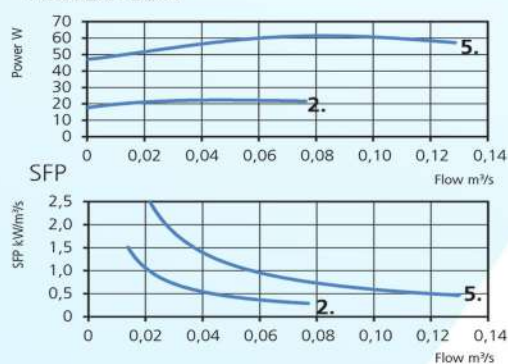
POWER/FLOW



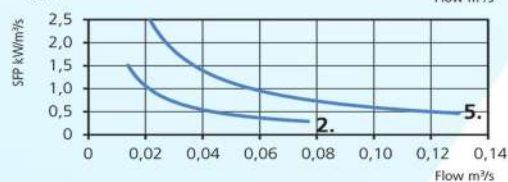
FA 150 B



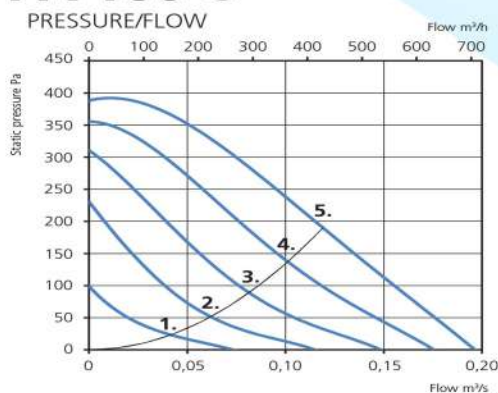
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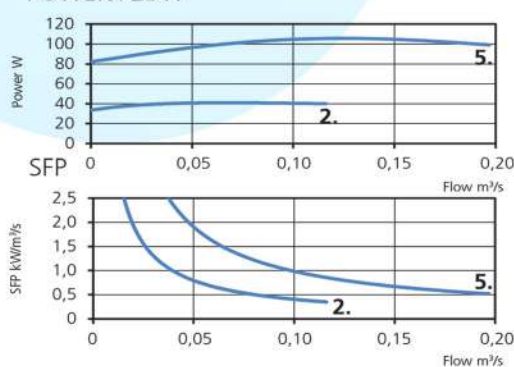
SFP



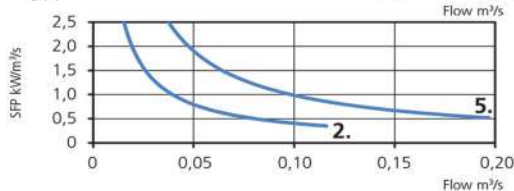
FA 150 C



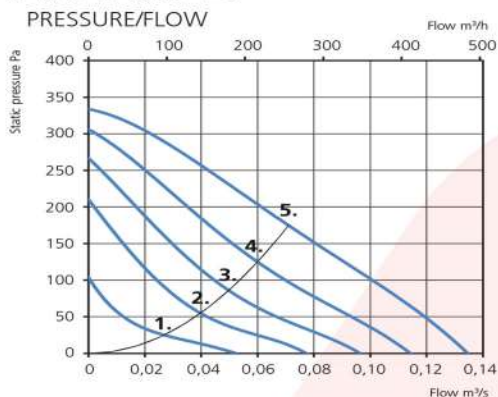
POWER/FLOW



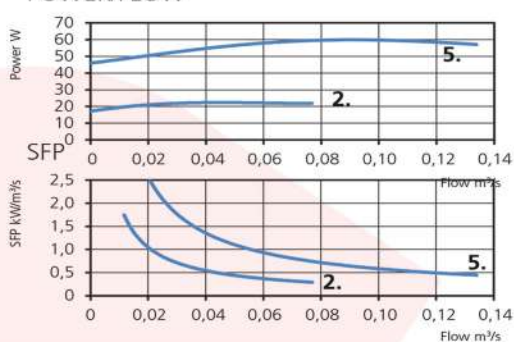
SFP



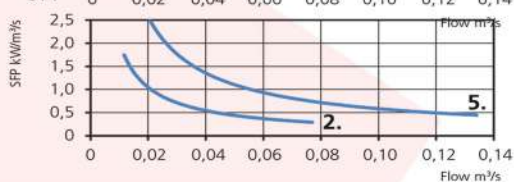
FA 160 B



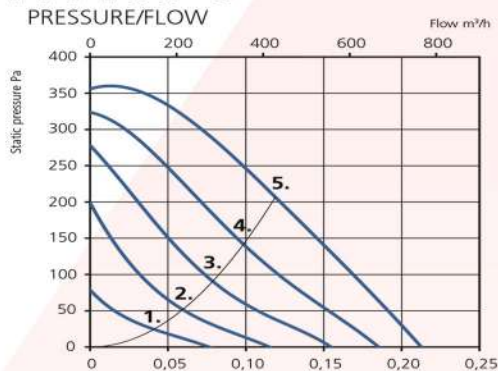
POWER/FLOW



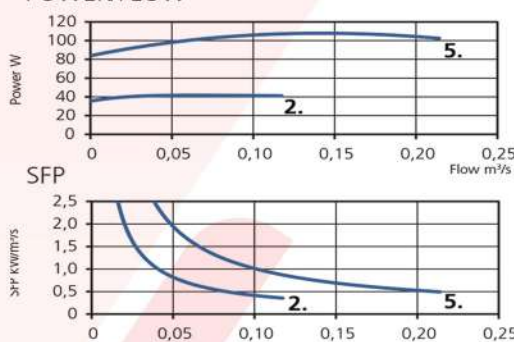
SFP



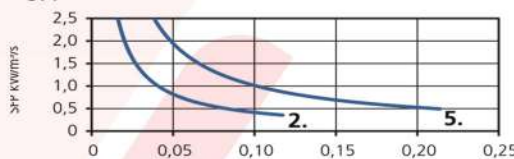
FA 160 C



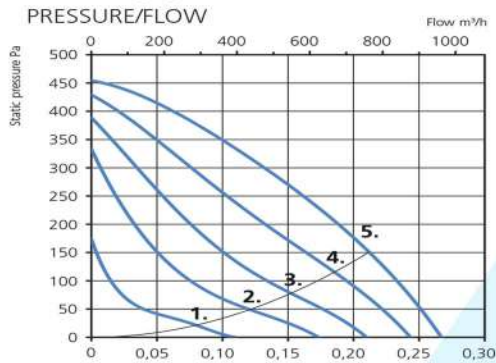
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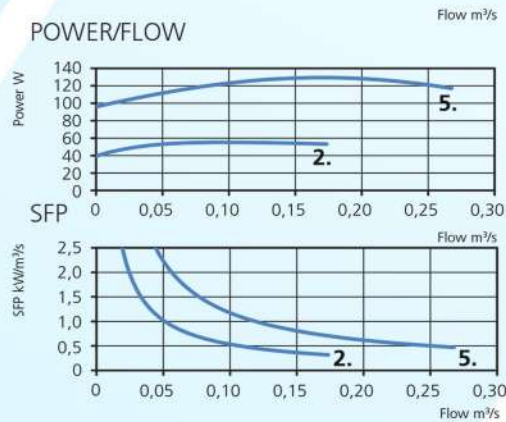
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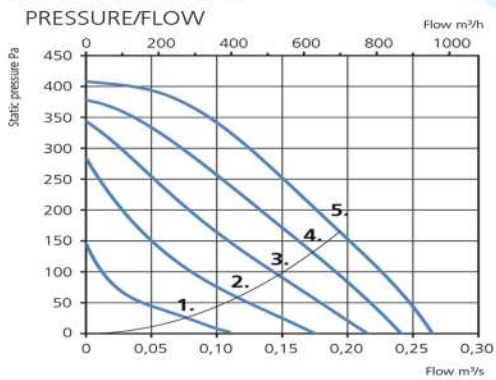
FA 200 A



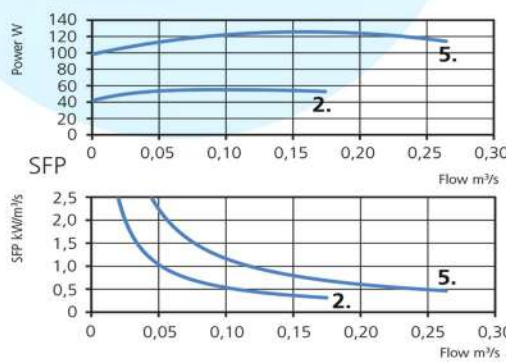
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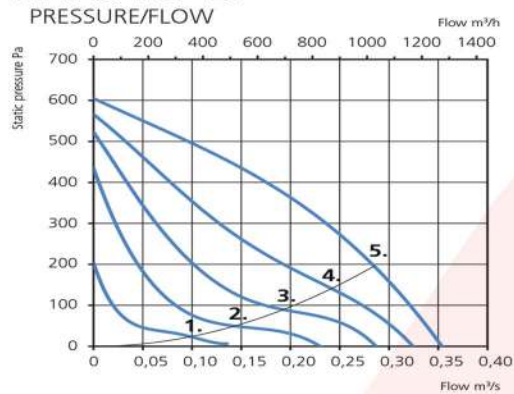
FA 250 A



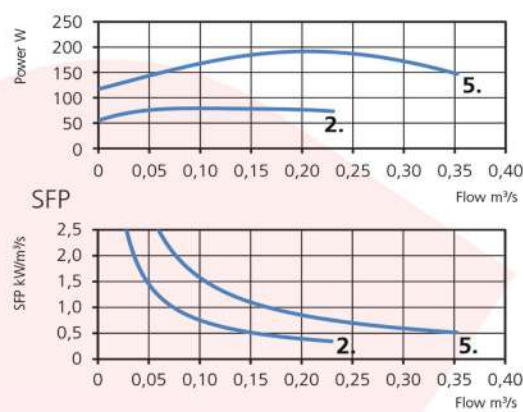
POWER/FLOW



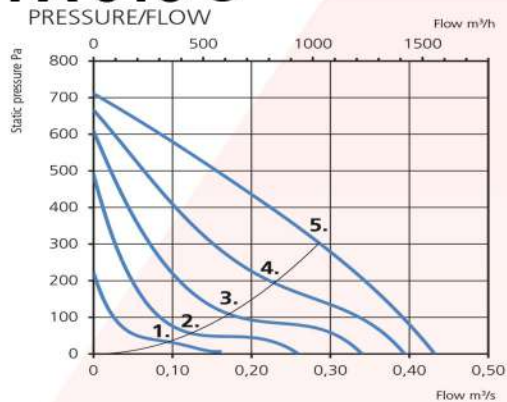
FA 315 B



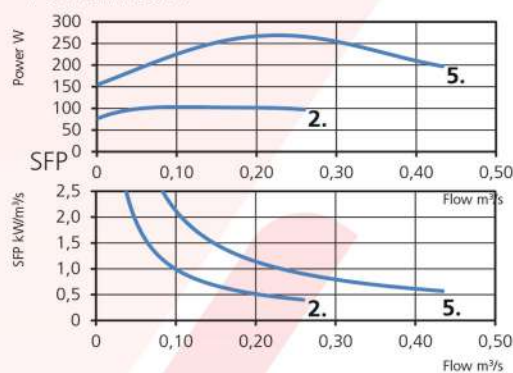
POWER/FLOW



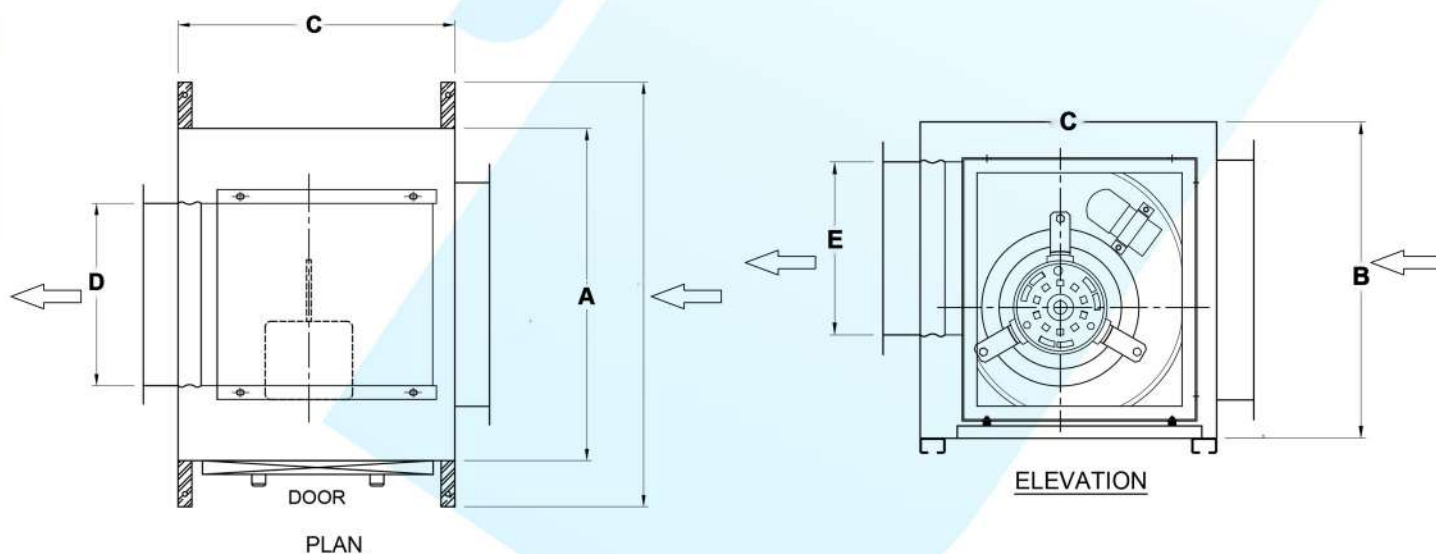
FA 315 C



POWER/FLOW



Technical Details



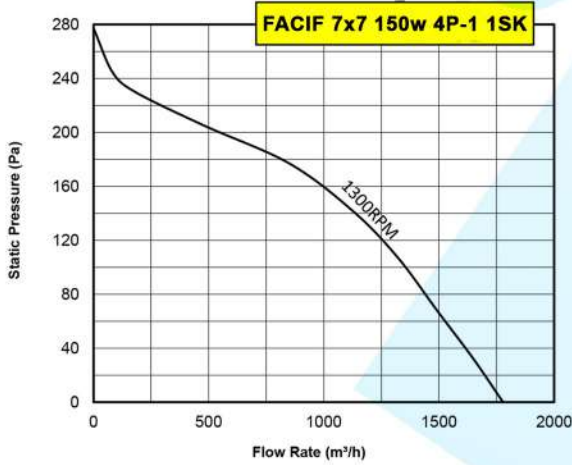
Dimensions & Technical Data

Model	A	B	C	D	E
FACIF 7x7	440	402	395	263	232
FACIF 8x8	500	442	425	291	260
FACIF 9x9	620	510	480	295	270
FACIF 10x10	650	560	520	330	290
FACIF 12x12	720	640	600	395	350

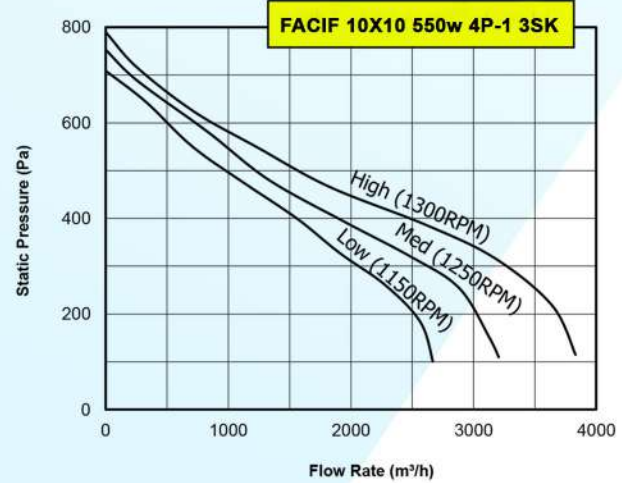
Model	Max Q m3h	Power	Max Input Power (W)	Motor Protect.	Ph	Hz	Max Current (A)	Voltage (v)	Insul- aton	dB(A)*	RPM
FACIF 7X7	1778	0.15 Kw 4P-1 1SK	-	IP 21	1	50	1.1	230	F	56	1300
FACIF 8X8	1668	0.18 Kw 4P-1 1SK	-	IP 21	1	50	1.2	230	F	57	1300
FACIF 9X9	2550	0.35 Kw 4P-1 3SK	920/650/480	IP 21	1	50	4.0/2.8/2.1	230	F	52	1300/1200/1100
FACIF 10X10	3740	0.55 Kw 4P-1 3SK	1310/1060/850	IP 21	1	50	5.7/4.6/3.7	230	F	55	1330/1250/1150
FACIF 12X12	5440	0.75 Kw 6P-1 3SK	1330/870/580	IP 21	1	50	5.8/3.8/2.5	230	F	56	900/820/750

* All dimensions are in mm and it may vary at the time of production

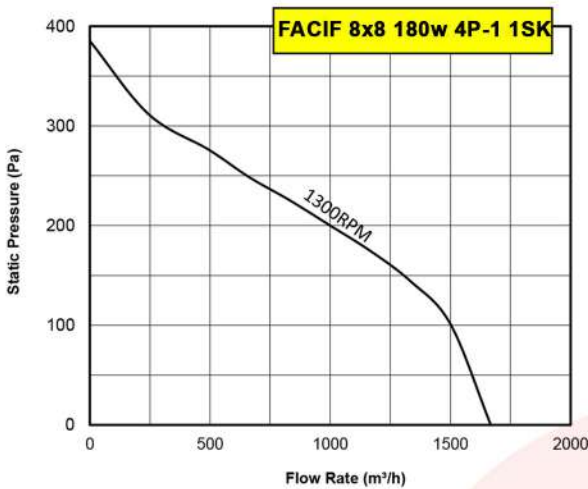
FACIF 7x7



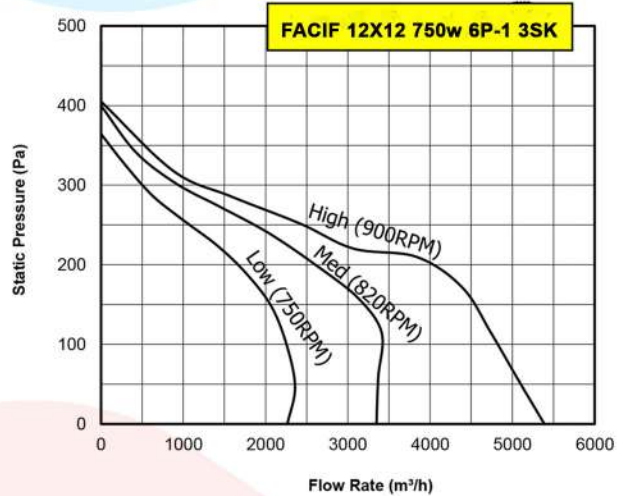
FACIF 10x10



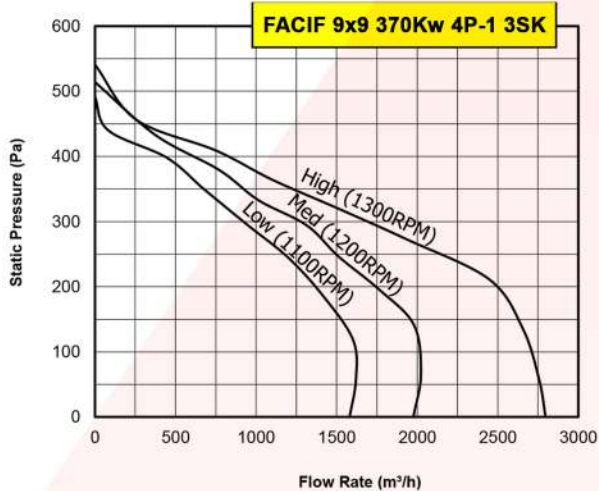
FACIF 8x8



FACIF 12x12



FACIF 9x9



AIR CURTAIN



Introduction

An air curtain is a fan-powered device that creates an invisible air barrier over the doorway to separate efficiently two different environments, without limiting the access of the people or vehicles. The energy saving air screen reduces heating and cooling costs by up to 80% while protecting the internal climate and increasing people comfort.

It keeps the atmosphere clean from pest and insects, dust, airborne, pollution, smells, odours and stops draughts and cold or hot air entrance.

The functioning of an air curtain is based on a high velocity jet of air that covers all openings. Heated air curtains creates comfort by the jet of air on people as they cross the air screen and helps to maintain the temperature on the entrance.

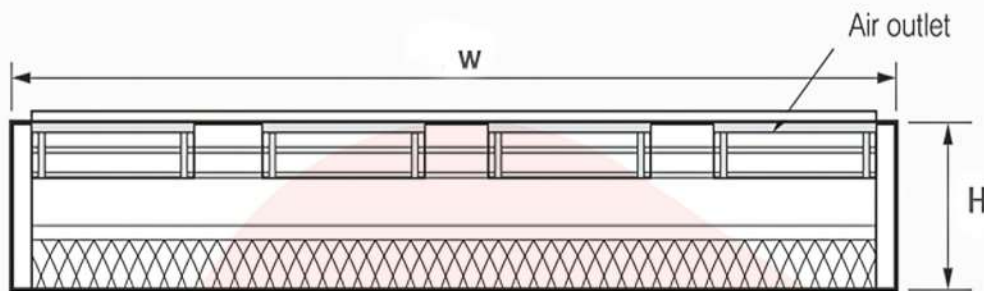
Characteristics

- + Anodized aluminium outlet vanes, airfoil shaped
- + Compact axial fans, low noise level
- + “E” type with electrical shielded element. “A” type without heating, air only
- + Integrated switch for ventilation and heating control
- + Cable connection 1,5m length, integrated
- + Wall support included

Advantages

- + Maintains:
 - o Heating Levels
 - o Refrigeration
 - o Air-Conditioning
 - o Clean & comfortable environment
- + Protection From-
 - o to Cold winter Temperature
 - o Hot summer Temperature
 - o Car Fumes
 - o Dust in the air
 - o Pollution
 - o Insects

Technical Details



Model	Velocity (m/s)	Dimension			Finishing	Motor	No. of Motor	Impeller	No. of Impeller
		L	W	H					
FA AC 1000	16-18	900	208	230	Powder Coating	200 WATT/ Φ1	2	125 x 125	3
FA AC 1200	16-18	1200	208	230	Powder Coating	200 WATT/ Φ1	2	125 x 125	4
FA AC 1500	16-18	1500	208	230	Powder Coating	200 WATT/ Φ1	3	125 x 125	5
FA AC 1800	16-18	1800	208	230	Powder Coating	200 WATT/ Φ1	3	125 x 125	6
FA AC 2100	16-18	2100	208	230	Powder Coating	200 WATT/ Φ1	3	125 x 125	6
FA AC 2400	16-18	2400	208	230	Powder Coating	200 WATT/ Φ1	4	125 x 125	8

* All dimensions are in mm and it may vary at the time of production

WET SCRUBBER



Introduction

As the name suggests kitchen scrubber is used to scrub fumes from the cooking process. It draws the fumes from the kitchen through the hoods. These fumes will be scrubbed by high pressure water jets due to which all the contaminants such as oil, grease etc. are trapped and clean air will be sent to the environment. FanAir wet scrubber is highly efficient, very low pressure drop and hence maximum scrubbing efficiency.

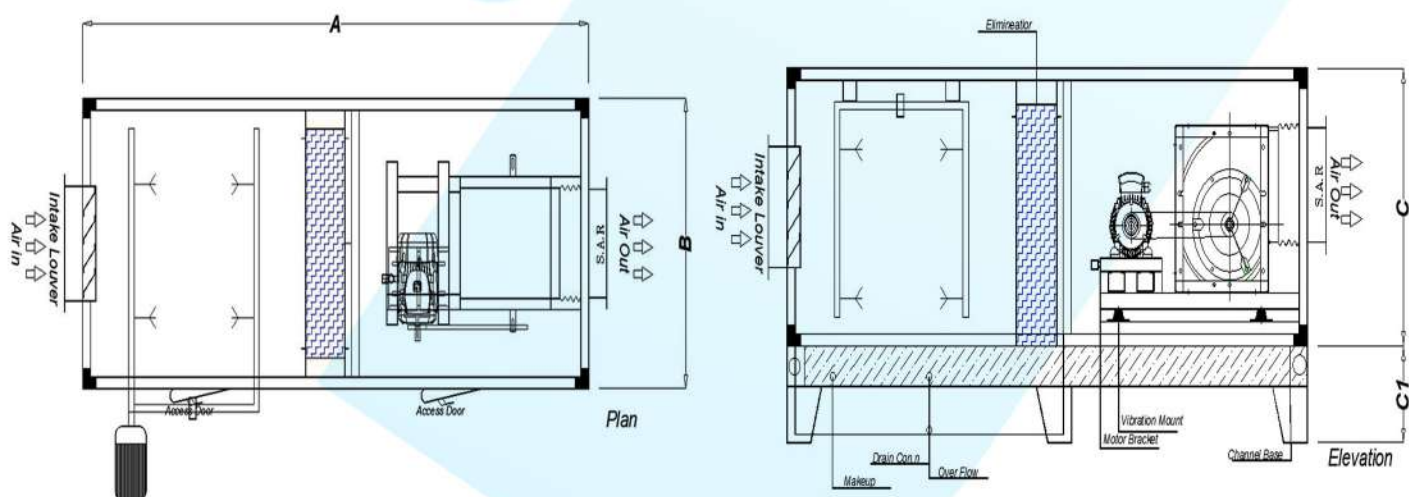
Construction Features:-

Frame -	Extruded aluminium profile
Base -	Heavy gauge based frame with cast Al corners
Casing -	23+2 mm thick, double skin panels made of 0.6 mm sheets with polyurethane foam (PUF of density 38+2 kg/ cu. m injected between two skins or single skin in 1.6/1.8 mm GI sheet.
Wet Section -	Double bank GI spray header with brass/PVC spray nozzles
Blowers -	DIDW centrifugal blowers, common-rail base for blower-motor assembly on vibration isolator pads
Motors -	TEFC type, three phase motor of standard make
Motor Stand -	Adjustable motor- mounting fixture
Pulleys -	Adjustable taper- bush pulleys
Pumps -	Monoblock pumps of standard make
Sump -	SS 304/ GI with FRP tank with socket connections for water in overflow and drain complete with Y strainer, ball-cock etc.
Mist Eliminator -	In PVC/ SS/ GI
Canvas Connection -	Flexible connection to isolate blower from unit body

Applications:-

- ◆ Food Processing Companies
- ◆ Petroleum Refineries
- ◆ Chemical Processing Facilities
- ◆ Acid Manufacturing Plants
- ◆ Solar Manufacturing
- ◆ Steel Manufacturing Companies

Technical Details

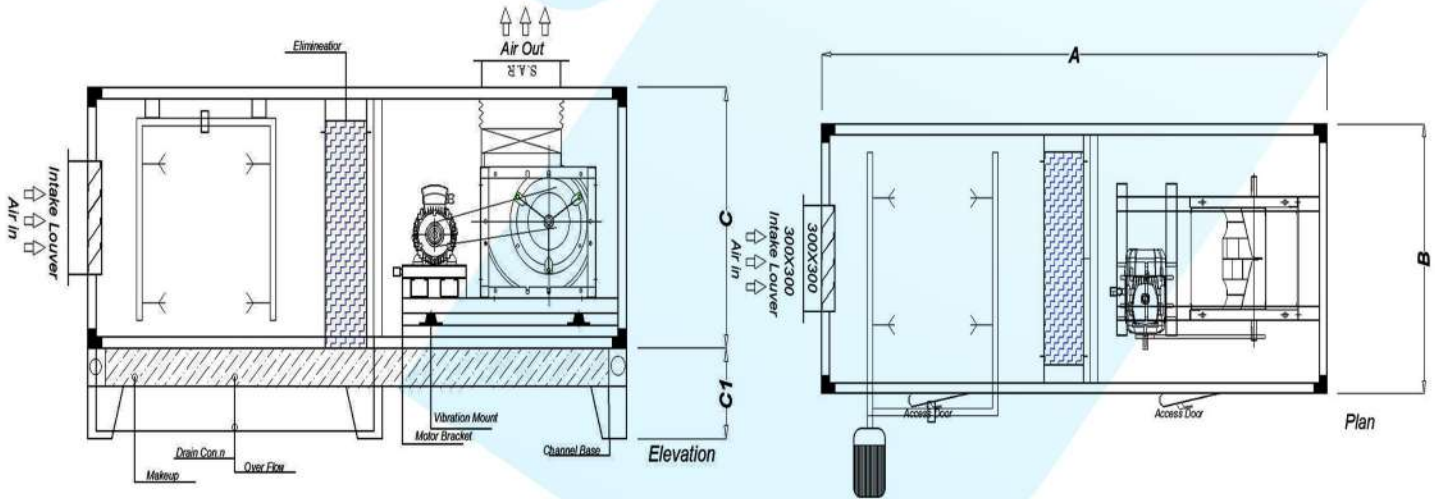


FA WS- 2000-30000 (Front Discharge)

Fresh Air Unit Model	Model	Static Pressure(Kw/ RPM)	Velocity	Length	Width	Height
		65mm				
FA WS 2000	FABC 225	1.5/3614	11.39	1940	760	690
FA WS 3000	FABC 280	2.2/2770	10.93	2040	1000	730
FA WS 4000	FABC 315	3.0/2518	11.57	2200	1160	830
FA WS 5000	FABC 355	3.0/2196	11.56	2300	1260	930
FA WS 6000	FABC 400	3.7/1945	11.07	2500	1360	1030
FA WS 7000	FABC 450	5.5/1645	10.24	2600	1430	1130
FA WS 8000	FABC 450	5.5/1756	11.71	2600	1450	1230
FA WS 9000	FABC 500	5.5/1477	10.44	2650	1600	1230
FA WS 10000	FABC 500	5.5/1551	11.60	2650	1650	1330
FA WS 11000	FABC 560	5.5/1305	10.18	2950	1800	1330
FA WS 12000	FABC 560	7.5/1359	11.11	2950	1800	1430
FA WS 13000	FABC 630	7.5/1127	9.59	3100	1800	1530
FA WS 14000	FABC 630	7.5/1162	10.33	3100	2000	1530
FA WS 15000	FABC 630	7.5/1198	11.07	3300	2150	1630
FA WS 16000	FABC 630	11/1235	11.80	3300	2150	1630
FA WS 17000	FABC 710	11/1021	9.96	3300	2250	1630
FA WS 18000	FABC 710	11/1047	10.54	3400	2250	1730
FA WS 19000	FABC 710	11/1073	11.13	3500	2350	1730
FA WS 20000	FABC 710	11/1100	11.72	3500	2350	1830
FA WS 21000	FABC 800	11/901	9.80	3700	2350	1930
FA WS 22000	FABC 800	11/919	10.26	3700	2450	1930
FA WS 23000	FABC 800	11/938	10.73	3800	2550	1930
FA WS 24000	FABC 800	15/957	11.20	3800	2650	1930
FA WS 25000	FABC 800	15/977	11.66	3800	2750	1930
FA WS 26000	FABC 900	15/790	9.61	4100	2660	2100
FA WS 27000	FABC 900	15/803	9.98	4100	2760	2100
FA WS 28000	FABC 900	15/816	10.35	4200	2860	2100
FA WS 29000	FABC 900	15/829	10.72	4200	2960	2100
FA WS 30000	FABC 900	15/843	11.09	4200	3060	2100

* All dimensions are in mm and it may vary at the time of production

Technical Details



FA WS- 2000-30000 (Top Discharge)

Fresh Air Unit Model	Model	Static Pressure(Kw/ RPM)	Velocity	Length	Width	Height
		65mm				
FA WS 2000	FABC 225	1.5/3614	11.39	1940	760	690
FA WS 3000	FABC 280	2.2/2770	10.93	2100	1000	730
FA WS 4000	FABC 315	3.0/2518	11.57	2270	1160	830
FA WS 5000	FABC 355	3.0/2196	11.56	2400	1260	930
FA WS 6000	FABC 400	3.7/1945	11.07	2550	1360	1030
FA WS 7000	FABC 450	5.5/1645	10.24	2700	1430	1130
FA WS 8000	FABC 450	5.5/1756	11.71	2700	1450	1230
FA WS 9000	FABC 500	5.5/1477	10.44	2800	1600	1230
FA WS 10000	FABC 500	5.5/1551	11.60	2800	1650	1330
FA WS 11000	FABC 560	5.5/1305	10.18	3050	1800	1330
FA WS 12000	FABC 560	7.5/1359	11.11	3050	1800	1430
FA WS 13000	FABC 630	7.5/1127	9.59	3250	1800	1530
FA WS 14000	FABC 630	7.5/1162	10.33	3250	2000	1530
FA WS 15000	FABC 630	7.5/1198	11.07	3470	2150	1630
FA WS 16000	FABC 630	11/1235	11.80	3470	2150	1630
FA WS 17000	FABC 710	11/1021	9.96	3470	2250	1630
FA WS 18000	FABC 710	11/1047	10.54	3570	2250	1730
FA WS 19000	FABC 710	11/1073	11.13	3670	2350	1730
FA WS 20000	FABC 710	11/1100	11.72	3670	2350	1830
FA WS 21000	FABC 800	11/901	9.80	3900	2350	1930
FA WS 22000	FABC 800	11/919	10.26	3900	2450	1930
FA WS 23000	FABC 800	11/938	10.73	4000	2550	1930
FA WS 24000	FABC 800	15/957	11.20	4000	2650	1930
FA WS 25000	FABC 800	15/977	11.66	4000	2750	1930
FA WS 26000	FABC 900	15/790	9.61	4300	2660	2100
FA WS 27000	FABC 900	15/803	9.98	4300	2760	2100
FA WS 28000	FABC 900	15/816	10.35	4400	2860	2100
FA WS 29000	FABC 900	15/829	10.72	4400	2960	2100
FA WS 30000	FABC 900	15/843	11.09	4400	3060	2100

* All dimensions are in mm and it may vary at the time of production

DRY SCRUBBER



Introduction

A dry scrubber is designed to extract harmful gases and particulates from industrial exhaust streams. It is a type of pollution control equipment. Dry scrubbers are primarily used to abate acidic gases, like those associated with acid rain. This is one of the most common pieces of equipment found in manufacturing plants, because of its ability to handle high temperature, highly acidic exhaust streams. A dry scrubber works by combining carefully chosen chemical reagents with the exhaust stream at incredibly high speeds, that react with or absorb the compounds in the stream. These chemicals react differently, depending on which compounds are being targeted; reactions either neutralize the dangerous VOCs, or absorb them into a different compound all-together. Once converted, the substance left over can then be disposed of or transported easily. Each type of scrubber media removes particles and compounds in a different way; some chemical reactions, while others use electrostatic adhesion.

Why Choose a Dry Scrubber?

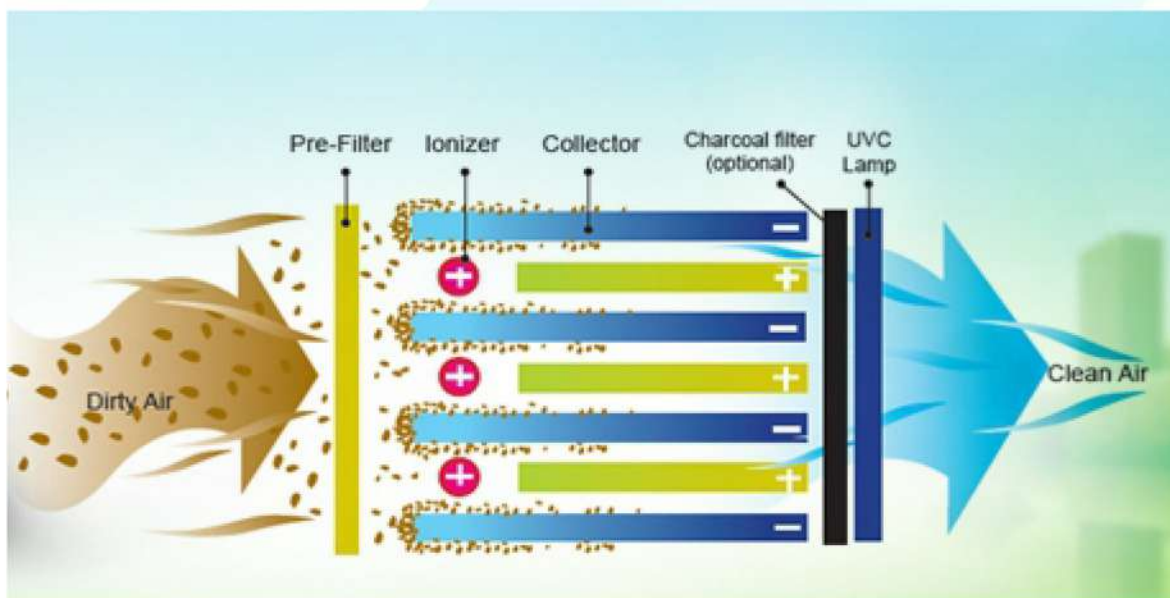
- ◆ Able to neutralize highly corrosive gases.
- ◆ Handles high temperature streams.
- ◆ Can be retrofitted into current equipment (in some cases).
- ◆ Versatile.
- ◆ Capable of abating very acidic streams.
- ◆ Smaller space requirements.
- ◆ Spent media can be a source of revenue.
- ◆ Lower cost of purchase.
- ◆ Several customizable options, based on specific output and applications, often allowing for a reduction in cost.
- ◆ Eliminates as much or more than 99% of dangerous gases, which meets all EPA requirements for MACT, RACT, BACT, and LAER

Commonly used in these industries

- | | |
|------------------------|----------------------------|
| ◆ Asphalt processing | ◆ Oil and Gas |
| ◆ Pharmaceuticals | ◆ Acid mist control |
| ◆ Landfills and Biogas | ◆ Fertilizer Manufacturing |
| ◆ Coaters | ◆ Wastewater treatment |
| ◆ Textile Processing | ◆ Steel Processing |
| ◆ Tar Removal | ◆ Electronics |
| ◆ Curing ovens | ◆ Food processing |
| ◆ Vinyl Manufacturing | ◆ Cocoa Processing |

Technical Details

OIL MIST COLLECTION SCHEMATIC DIAGRAM



FEATURES



Fume & mist elimination efficiency: >90% for collection of dry and wet dust like oil mist, cooking fumes and various pollutants. Application kitchen exhaust, factories, workshops, CNC Etc.



Plate type structure filter cell, ensuring extremely high efficiency of fume & mist elimination.



High-end high-frequency high-voltage solid-state transformer with epoxy resin encapsulation, driven by half-bridge switching converter, and is powerful, stable and energy-saving.



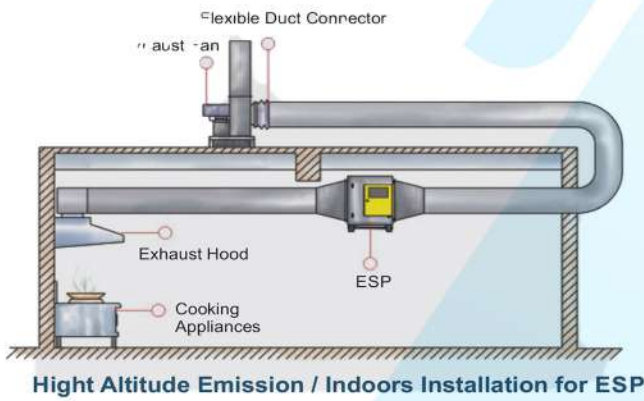
Multiple protection functions such as electrostatic discharge protection, power over - loading protection and transformer over-heated protection, making it safe and reliable of our facility



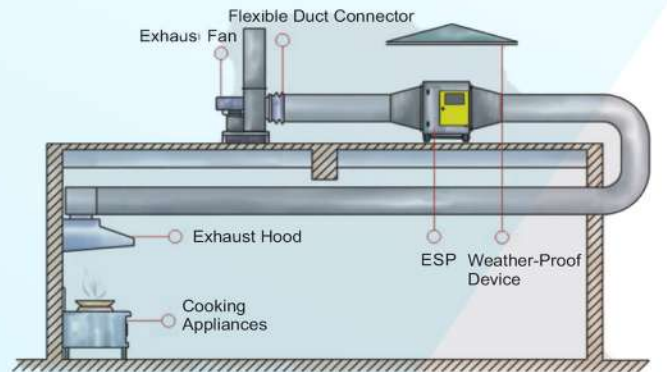
Energy efficient, uses no more than 50W per cell.



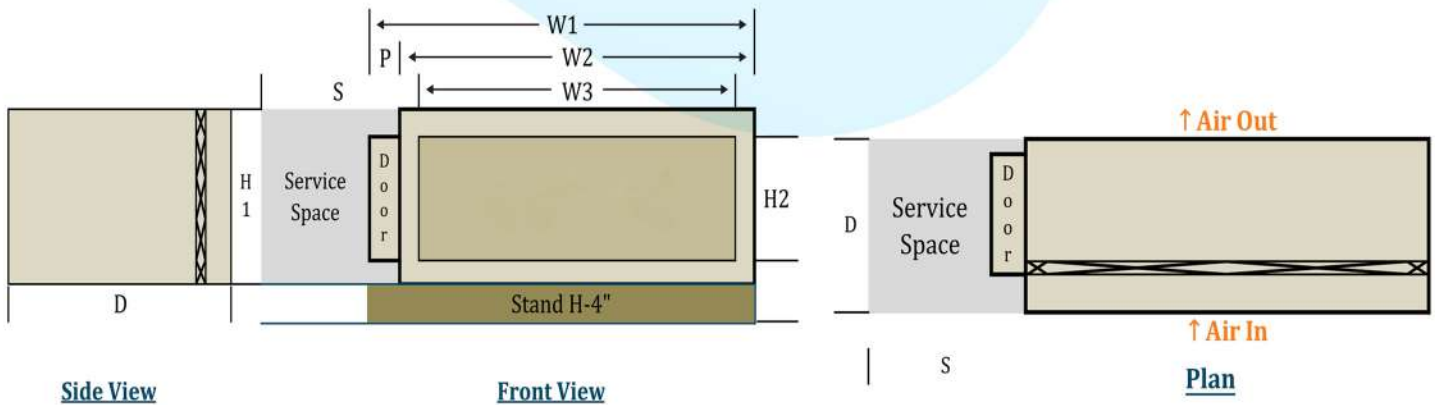
Electrostatic Presipitator
(Dry Scrubber)



Hight Altitude Emission / Indoors Installation for ESP



Hight Altitude Emission / Outdoors Installation for ESP



Side View

Front View

Plan

MODEL	W1	W2	W3	H1	H2	D	S	Wt.(Kgs.)	Watts
FAESP-35	730	600	500	540	440	620	800	68	50
FAESP-70	1300	1170	1070	540	440	620	800	91	90
FAESP-105	1870	1740	1640	540	440	620	800	120	130
FAESP-140	2400	2310	2210	540	440	620	800	154	185

Note: The data above is just for reference. If there is any change, no other notice will be informed. Goods inspection will be subject to the contract All dimensions are in MM.

OPTION'S AVAILABLE

- Tailor made to suit site conditions
- Double skin constructions
- Combined with modular fan section
- UV-O3
- Auto wash
- Carbon filter

* All dimensions are in mm and it may vary at the time of production

FAN SECTION UNIT



Introduction

FA FC double skin belt driven cabinet fan section is an ideal solution for supply & exhaust application including fresh air, exhaust air, make-up air, return air to deliver air capacity ranging from 1000 CFM to 40000 CFM. Our FA FC Series comes with multiple air filter & discharge options.

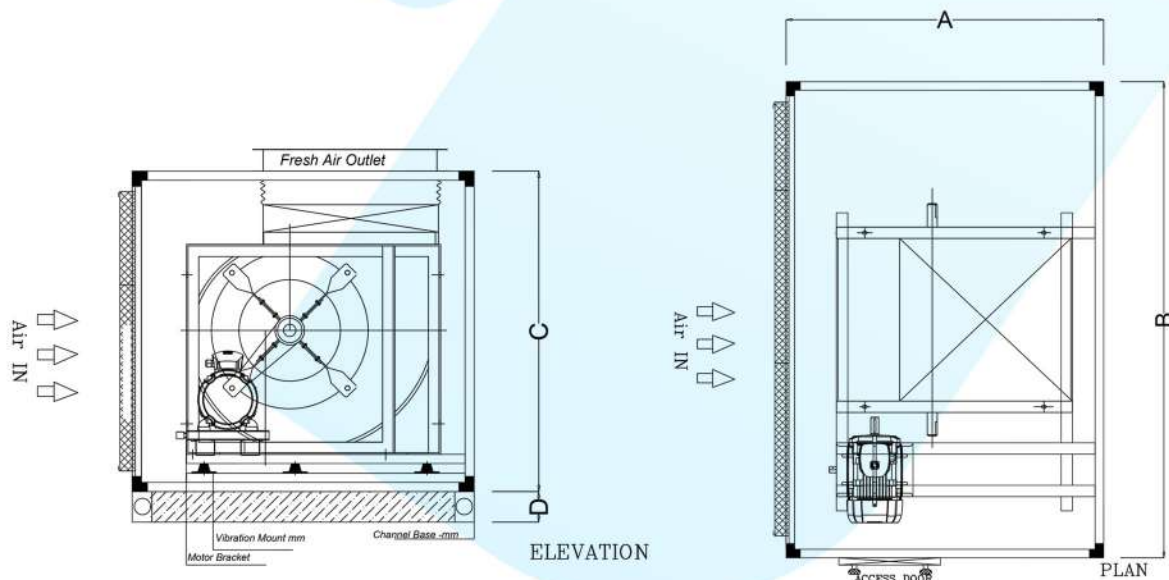
Ventilating a building simply replaces stale or foul air with clean, fresh air. Although the ventilation process is required for many different applications, the airflow fundamentals never change: Undesired air out, fresh air in. The key variables that do change depending on applications are the fan model and the air volume flow rate (CFM). Other considerations include the resistance to airflow (static pressure or SP) Sometimes you need a exhaust fan to perform a particular function, but it's not clear which model to use or even what CFM is needed. If this is the case, you'll need to do some fan specification work Fan specification is not an exact science, but it can be done confidently when the fan application

Exhaust fans force out stale indoor air so it can be replaced by fresh outdoor air. They're commonly used to reduce moisture and remove smoke and odors in restaurants, residences, shop and production floors, and commercial buildings. Exhaust fans mount through a cutout in a roof or wall. Belt-driven exhaust fans handle large volumes of air at low static pressures. They run more quietly and allow greater control over fans speeds than direct-drive exhaust fans. Direct-drive exhaust fans have their motor mounted on the fan shaft, so they are more compact and have fewer moving parts than belt-driven fans.

Application:-

- ♦ Lift Lobby
- ♦ PVR Cinema
- ♦ Hotel Industry
- ♦ Educational Institue
- ♦ Chemical Indutries
- ♦ Shopping Malls
- ♦ Laundry

Technical Details

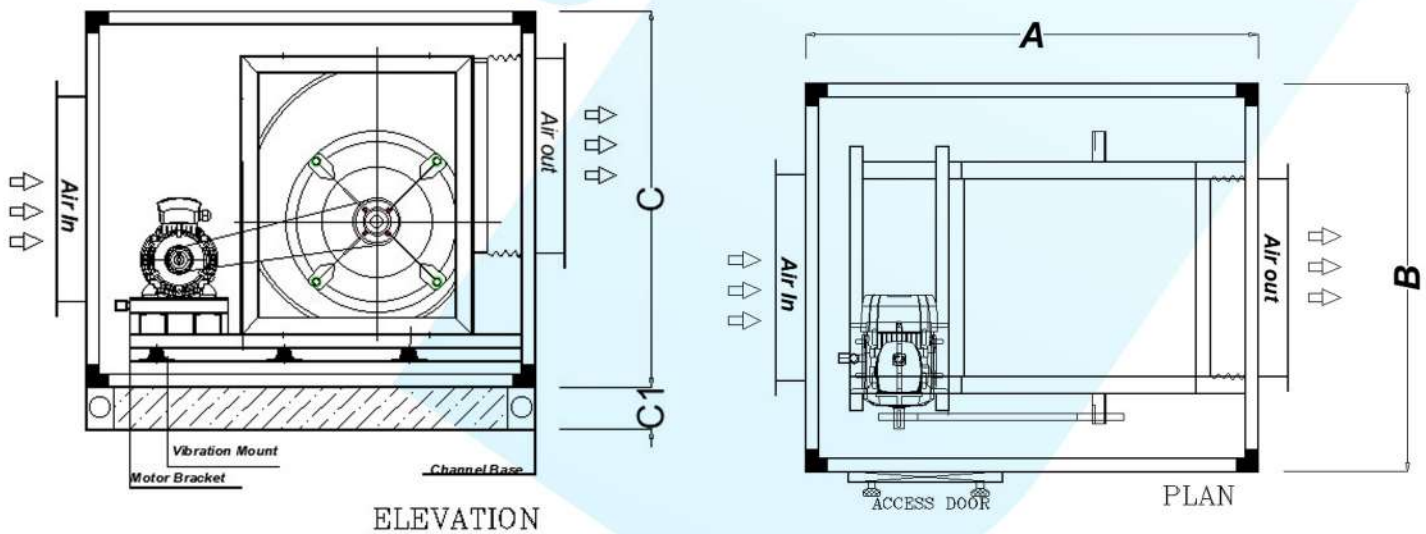


FA FC- 1200-30000 (Fresh Air Unit)

Fresh Air Unit Model	Model	Static Pressure(Kw/ RPM)	Velocity	Length	Width	Height
		65mm				
FA FA 1200	200	0.75/3621	8.58	850	660	650
FA FA 1500	225	1.1/3202	8.54	850	660	650
FA FA 2000	250	1.5/2911	9.08	900	770	730
FA FA 2500	280	1.5/2559	9.11	900	1080	730
FA FA 3000	315	1.5/2220	8.68	900	1080	850
FA FA 4000	355	2.2/1982	9.24	1000	1380	930
FA FA 5000	400	3.7/1789	9.22	1150	1380	1080
FA FA 6000	450	3.7/1540	8.78	1150	1380	1080
FA FA 7000	450	5.5/1645	10.24	1250	1380	1380
FA FA 8000	500	5.5/1406	9.28	1350	1380	1380
FA FA 9000	500	5.5/1477	10.44	1350	1680	1380
FA FA 10000	560	5.5/1252	9.26	1450	1680	1380
FA FA 11000	560	5.5/1305	10.18	1550	2000	1380
FA FA 12000	630	5.5/1094	8.85	1550	2000	1380
FA FA 13000	630	7.5/1127	9.59	1550	2000	1380
FA FA 14000	630	7.5/1162	10.30	1550	2000	1380
FA FA 15000	710	7.5/971	8.79	1725	2000	1680
FA FA 16000	710	7.5/998	9.37	1725	2400	1680
FA FA 17000	710	11/1021	9.96	1725	2400	1680
FA FA 18000	800	11/849	8.40	1725	2000	2000
FA FA 19000	800	11/865	8.86	1850	2400	2040
FA FA 20000	800	11/883	9.33	1850	2400	2040
FA FA 21000	800	11/901	9.80	1850	2400	2040
FA FA 22000	800	11/919	10.26	1850	2700	2040
FA FA 23000	900	11/754	8.50	1850	2700	2040
FA FA 24000	900	11/765	8.87	2050	2700	2040
FA FA 25000	900	11/778	9.24	2050	3000	2300
FA FA 26000	900	15/1799	9.61	2300	3000	2300
FA FA 27000	900	15/1799	9.98	2300	3000	2300
FA FA 28000	900	15/1799	9.22	2300	3000	2300
FA FA 29000	1000	15/1799	9.22	2500	3000	2300
FA FA 30000	1000	15/1799	9.22	2500	3000	2300

* All dimensions are in mm and it may vary at the time of production

Technical Details



FA FC- 1200-30000 (Exhaust Air Unit)

Fresh Air Unit Model	Model	Static Pressure(Kw/ RPM)	Velocity	Length	Width	Height
		65mm				
FA EX 1200	200	0.75/3621	8.58	850	530	600
FA EX 1500	200	0.75/4015	10.73	850	580	650
FA EX 2000	225	1.5/3614	11.39	900	630	790
FA EX 2500	250	2.2/3200	11.35	900	700	750
FA EX 3000	280	2.2/2770	10.93	900	790	810
FA EX 4000	315	3.0/2518	11.57	1000	900	880
FA EX 5000	355	3.0/2196	11.56	1150	990	880
FA EX 6000	400	3.7/1945	11.07	1150	1100	970
FA EX 7000	450	5.5/1645	10.24	1250	1100	970
FA EX 8000	450	5.5/1756	11.71	1350	1225	1150
FA EX 9000	500	5.5/1477	10.44	1350	1225	1150
FA EX 10000	500	5.5/1551	11.60	1450	1380	1150
FA EX 11000	560	5.5/1305	10.18	1550	1380	1150
FA EX 12000	560	7.5/1359	11.11	1550	1540	1370
FA EX 13000	630	7.5/1127	9.59	1550	1540	1370
FA EX 14000	630	7.5/1162	10.33	1550	1540	1370
FA EX 15000	630	7.5/1198	11.07	1725	1720	1590
FA EX 16000	630	11/1235	11.80	1725	1720	1590
FA EX 17000	710	11/1021	9.96	1725	1720	1590
FA EX 18000	710	11/1047	10.54	1725	1920	1590
FA EX 19000	710	11/1073	11.13	1850	1920	1750
FA EX 20000	710	11/1100	11.72	1850	1920	1750
FA EX 21000	800	11/901	9.80	1850	1920	1750
FA EX 22000	800	11/919	10.26	1850	1920	1750
FA EX 23000	800	11/938	10.73	1850	2150	1750
FA EX 24000	800	15/957	11.20	2050	2150	1750
FA EX 25000	800	15/977	11.66	2050	2150	2000
FA EX 26000	900	15/790	9.61	2300	2150	2000
FA EX 27000	900	15/803	9.98	2300	2150	2000
FA EX 28000	900	15/816	10.35	2300	2150	2000
FA EX 29000	900	15/829	10.72	2500	2370	2140
FA EX 30000	900	15/843	11.09	2500	2370	2140

* All dimensions are in mm and it may vary at the time of production

SMOKE EXHAUST UNIT



Introduction

Backward inclined blowers are specially recommended for kitchen / smoke application. The design of the blower doesn't permit the smoke/soot to accumulate on the blower blades resulting in long and maintenance free operation for years to come.

- ✓ The motor and drive arrangement are always outside the airflow.
- ✓ Due to its non-overloading characteristics of backward curved blowers, the motor will always be higher than the shaft power irrespective of static power or fan speed.
- ✓ The power consumption is always less for any given duty point.
- ✓ These fans are self-cleaning in nature and have fewer blades.
- ✓ The outlet discharge is flexibly configurable.
- ✓ The discharge can be attained from any side i.e. left/top through interchanging the panel with each other.

Applications:-

- Hotel Kitchen
- Chemical Industries
- Fume Industries
- Pharmaceuticals
- Educational Institute
- Hospitality
- Malls
- Cafeteria

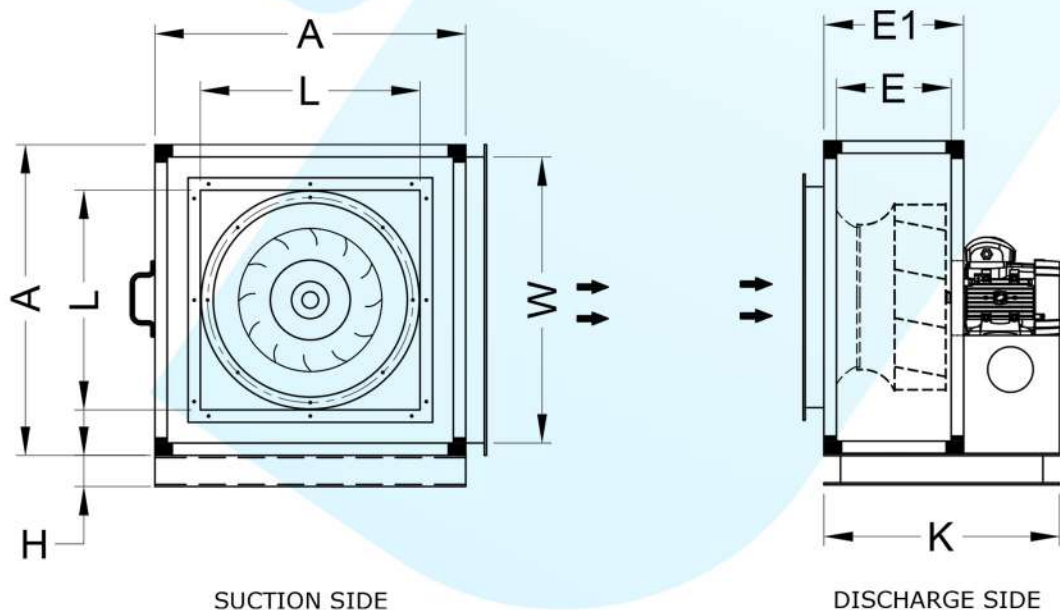
Specification

Size :- 800 mm to 1000 mm

Capacity:- upto 40000 CFM

Static Pressure :- upto 65 mmwg

Technical Details

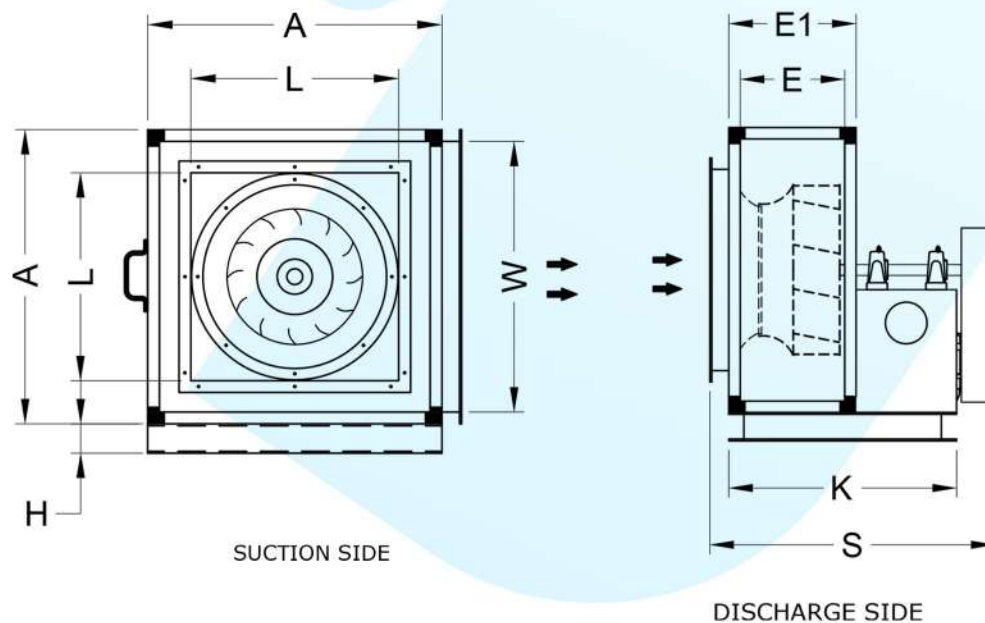


FKE 355-1120 (Direct Drive)

MODEL	A	L	W	H	K*	E	E1
FKESD-355	630	450	470	75	560	215	275
FKESD-400	690	490	560	75	585	240	300
FKESD-450	770	550	690	75	620	275	335
FKESD-500	850	600	760	75	655	310	370
FKESD-560	950	690	840	75	695	350	410
FKESD-630	1060	750	940	75	745	400	460
FKESD-710	1180	920	1040	75	855	445	505
FKESD-800	1320	910	1240	100	1140	500	560
FKESD-900	1470	1030	1340	100	1200	560	620
FKESD-1000	1470	1030	1340	100	1200	560	620
FKESD-1120	1830	1240	1560	100	1370	720	800

* All dimensions are in mm and it may vary at the time of production

Technical Details



FKE 355-1120 (Belt Drive)

MODEL	A	L	W	H	K*	S*	E	E1
FKESB-355	630	450	470	75	640	790	215	275
FKESB-400	690	490	560	75	665	815	240	300
FKESB-450	770	550	690	75	720	870	275	335
FKESB-500	850	600	760	75	775	925	310	370
FKESB-560	950	690	840	75	840	1000	350	410
FKESB-630	1060	750	940	75	910	1070	400	460
FKESB-710	1180	820	1040	75	975	1135	445	505
FKESB-800	1320	920	1240	100	1050	1210	500	560
FKESB-900	1470	1030	1340	100	1160	1340	560	620
FKESB-1000	1640	1130	1440	100	1250	1430	610	690
FKESB-1120	1830	1240	1560	100	1425	1605	720	800

* All dimensions are in mm and it may vary at the time of production

FAN COIL UNIT



Introduction

A fan coil unit (FCU) is a device consisting of a heat exchanger (coil) and a fan. As part of an HVAC system found in residential, commercial, and industrial buildings, a fan coil unit is often connected to ductwork and a thermostat to regulate the temperature of one or more spaces. The thermostat controls the fan speed and/or the throughput of water to the heat exchanger using a control valve. The output from an FCU can be established by looking at the temperature of the air entering the unit and the temperature of the air leaving the unit, coupled with the volume of air being moved through the unit. This is a simplistic statement, and there is further reading on sensible heat ratios and the specific heat capacity of air, both of which have an effect on thermal performance.

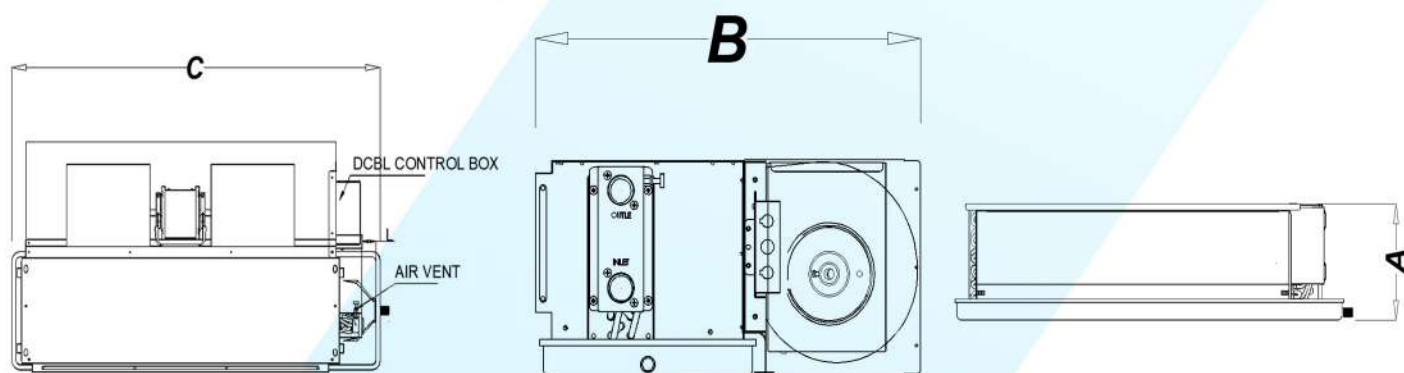
Operations:-

Fan Coil Unit falls principally into two main types: blow through and draw through. As the names suggest, in the first type the fans are fitted behind the heat exchanger, and in the other type considered thermally superior, as ordinarily they make better use of the heat exchanger. However, they are more expensive, as they require a chassis to hold the fans whereas a blow-through unit typically consists of a set of fans bolted straight to a coil. A fan coil unit may be concealed or exposed within the room or area that it serves. The coil receives hot or cold water. Traditionally fan coil units contain their own internal thermostat, or can be wired to operate with a remote thermostat. However, and as is common in most modern buildings with a Building Energy Management System (BEMS), the control of the fan coil unit will be by a local digital controller or outstation (along with associated room temperature sensor and control valve actuators linked to the BEMS via a communication network, and therefore adjustable and controllable from a central point, such as a supervisor's headspace. The unit gets hot or cold water from a central plant, or mechanical room containing equipment for removing heat from the central building's closed-loop. The equipment used can consist of machines used to remove heat such as a chiller or a cooling tower and equipment for adding heat to the building's water such as a boiler or a commercial water heater.

Applications:-

- Offices
- Showroom
- Hotels Rooms
- Condominiums
- Also installed where Patio Doors & French Doors are used.

Technical Details

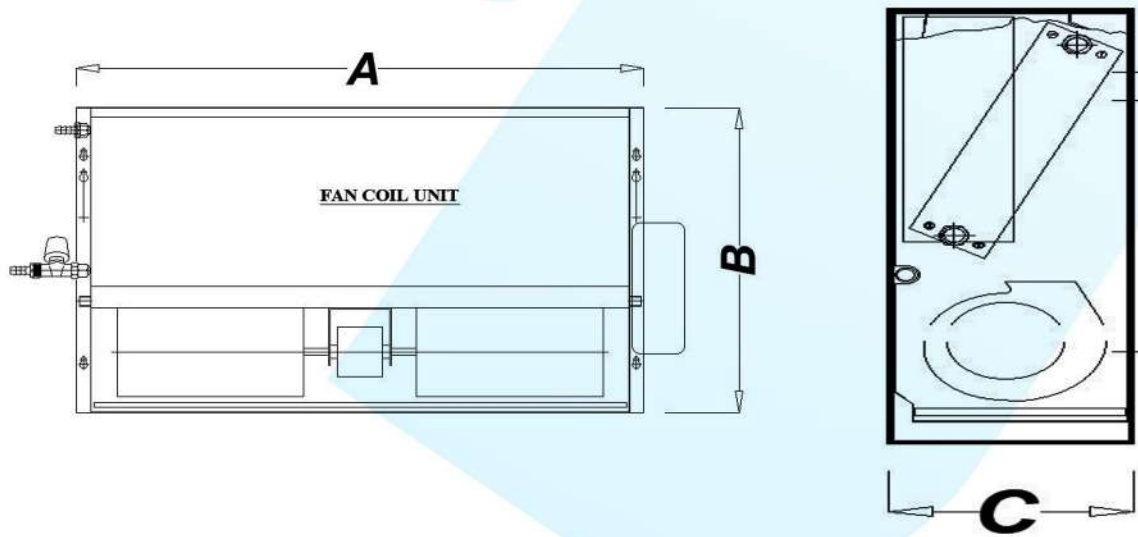


FA FCU (Horizontal)

Model	FAFCU-4	FAFCU-6	FAFCU-8	FAFCU-10	FAFCU-12
Capacity (TR)	1.0	1.5	2.0	2.5	3.0
Air Qty. CFM	400	600	800	1000	1200
BLOWER					
Size in mm	160x140	160x140	160x200	160x200	160x200
Qty. Nos.	2	2	2	2	2
MOTOR					
Motor HP	1/20	1/20	1/20	1/12	1/8
No. of soeed	3	3	3	3	3
Motor RPM	930	930	930	930	1200
Power Supply	230 Volts 50 Hz Single Phase				
Cooling Coil					
(A) Face Area Sq. Ft.	1.33	1.77	2.43	3.0	3.5
No. of Row	3	3	3	3	3
CU TUBE DIA (OD)	9.52	9.52	9.52	9.52	9.52
Water Con In/ Out	5/8*	5/8*	5/8*	3/4*	3/4*
(B) Face Area Sq. Ft.	----	----	----	2.22	2.66
No of Row	----	----	----	4	4
CU TUBE DIA (OD)	----	----	----	9.52	9.52
Water Conn In/Out	5/8*	5/8*	5/8*	3/4*	3/4*
Fin Spacing Per Inch	11-12 Fins Per Inch				
Drain Pan	G I Sandwich Type Powder Coated/ SS-304				
Unit Construction	Powder Coated				
FILTER					
Pre Filter	Synthetic/ Alum.	Synthetic/ Alum.	Synthetic/ Alum.	Synthetic/ Alum.	Synthetic/ Alum.
Thickness	12 mm	12 mm	12 mm	12 mm	12 mm
(A) Over AllDimension in mm					
A	900	1100	1100	1202	1355
C	550	550	575	575	575
B	260	260	310	360	360
(B) Over AllDimension in mm					
A	----	----	----	1100	1100
C	----	----	----	575	575
B	----	----	----	310	360

* All dimensions are in mm and it may vary at the time of production

Technical Details



FA FCU (Vertical)

Model	FAFCU-4	FAFCU-6	FAFCU-8	FAFCU-10	FAFCU-12
Capacity (TR)	1.0	1.5	2.0	2.5	3.0
Air Qty. CFM	400	600	800	1000	1200
BLOWER					
Size in mm	160x140	160x140	160x200	160x200	160x200
Qty. Nos.	2	2	2	2	2
MOTOR					
Motor HP	1/20	1/20	1/20	1/12	1/8
No. of soeed	3	3	3	3	3
Motor RPM	930	930	930	930	1200
Power Supply	230 Volts 50 Hz Single Phase				
Cooling Coil					
Face Area Sq. Ft.	1.33	1.77	2.43	3.0	3.5
No. of Row	3	3	3	3	3
CU TUBE DIA (OD)	9.52	9.52	9.52	9.52	9.52
Water Con In/ Out	5/8*	5/8*	5/8*	3/4*	3/4*
Fin Spacing Per Inch					
11-12 Fins Per Inch					
Drain Pan	G I Sandwich Type Powder Coated/ SS-304				
Unit Construction	Powder Coated				
Over All Dimension in mm					
Pre Filter	Synthetic/ Alum.	Synthetic/ Alum.	Synthetic/ Alum.	Synthetic/ Alum.	Synthetic/ Alum.
Thickness	12 mm	12 mm	12 mm	12 mm	12 mm
FILTER					
A	900	1100	1100	1202	1355
C	550	550	575	575	575
B	260	260	310	360	360

* All dimensions are in mm and it may vary at the time of production

HVLS FANS



HVLS Fans



Mobile HVLS Fans

Introduction

A **high-volume low-speed (HVLS)** fan is a type of mechanical fan greater than 7 feet (2.1 m) in diameter. HVLS fans are generally ceiling fans although some are pole mounted. HVLS fans move slowly and distribute large amounts of air at low rotational speed— hence the name "high volume, low speed." Typical applications for HVLS fans fall into two classifications which are as following-

- o Industrial
- o Commercial

HOW IT WORKS

HVLS fans work on the principle that cool moving air breaks up the moisture-saturated boundary layer surrounding the body and accelerates evaporation to produce a cooling effect. Ceiling fans produce a column of air as they turn. This column of air moves down and out along the floor. Called a horizontal floor jet, this deep wall of horizontal moving air is relative to the diameter of a fan, and to a lesser degree, the speed of a fan. Once the floor jet reaches its potential, it migrates outward until it meets a side wall or other vertical surface.

Commercial HVLS fans differ from residential ceiling fans with regard to diameter, rotational speed, and performance. While some fans use contemporary blades to move air, other methods are being used to make it more efficient such as using airfoils.

Advantages

- ◆ Factory plant
- ◆ Logistics Warehousing
- ◆ Distribution Center
- ◆ Waiting Room
- ◆ Dairy Farms
- ◆ Aerospace Manufacture
- ◆ Cold Storage
- ◆ Gymnasium

FEATURES

- ◆ Humanized operation
- ◆ Upgraded control system
- ◆ Best fan blade width
- ◆ Outstanding performance
- ◆ Large coverage area
- ◆ Wide adjustable speed range
- ◆ Elegant appearance
- ◆ Three dimensional natural breeze

Mobile HVLS Fans

- ◆ Fan Diameter- 2.4 meter/ 8 feet
- ◆ Power- 0.75 KW/ 3 & 1 Phase
- ◆ Air Flow (CMH)- 99,000
- ◆ Speed(RPM) /Noise Level (db)-147/ 45
- ◆ No. of Blades- 5
- ◆ Fan Blade material- Graded Aluminium
- ◆ Effective Area Coverage (Sq. Ft.)- 4500

Technical Details

Model	Size (dia)	Motor KW/HP	RPM	Air Volume (CMM)	Total Weight (Kg)	Coverage (SQ.M)	Frequency (Hz)	dbA
FAHVLS 24	7.3m(24ft.)	1.5/2.0	0-55	15,500	122	1700	50/60	38
FAHVLS 22	7.3m(22ft.)	1.1/1.5	0-55	13,000	111	1500	50/60	38
FAHVLS 20	6.1m(20ft.)	1.1/1.5	0-60	11,500	103	1000	50/60	38
FAHVLS 18	5.5m(18ft.)	1.1/1.5	0-65	11,000	99	900	50/60	55
FAHVLS 16	4.9m(16ft.)	1.1/1.5	0-65	10,000	85	600	50/60	55
FAHVLS 12	3.7m(12ft.)	0.37/0.5	0-100	5,000	38	380	50/60	55
FAHVLS 10	3.0m(10ft.)	0.37/0.5	0-100	4,000	35	250	50/60	55



MAKE IN INDIA

FanAir India Pvt. Ltd.

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Mobile No.	:- 9811347199, 9811937730, 9811322337, 9814936793
Phone	:- +(91)-(11)-46021317
E-mail Id.	:- sales@fanair.in
Website	:- www.fanair.in