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INDUSTRIAL FANS AND BLOWERS

REVOLVING PRECISION



- Cross Flow Fans
- Axial Flow Fans
- Centrifugal Blowers
- Backward Curved Fans
- Circular Inline Fans
- External Rotor Motors

HETAL
INDUSTRIES

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 / Hetal Industries

40 Years
of
Innovation
SINCE 1972

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COMPANY PROFILE

Since 46 Years, Hetal Industries is engaging in manufacturing, exporting and supplying the finest quality range of Industrial Cooling Blowers & Industrial Cooling Fans. The wide range of Centrifugal cooling blowers is made from premium grade raw material, which is imported from reliable vendors. Our cooling blowers come with features like robust construction, low maintenance and rust proof nature.

Hetal Industries manufacturers wide range of cooling blowers. Like, Centrifugal Blower, Single Inlet Blower, Double Inlet Blower, Vacuum Blower, Radial Blower, Dual Blower and Fan Impeller. These centrifugal blowers widely use for blow moulding machines, Injection moulding machine, Cable and wire extruder plant, Single screw extruder machine, Extrusion plants and Plastic processing machinery.

We have well-equipped machinery & facilities which is spread over 2000 SQM. We have an in-house design department which uses Auto Cad & Solid Works to make the modern design, which offers high-end performance in economical price. Hetal Industries developed its own skilled engineers and workers.

Hetal industries are leading blower manufacturer in India. Our goal is to bring the latest technology in cooling blower industry at an economical price. We believe in quality, trust and customer satisfaction. For meeting this requirement Our expert engineers and experienced workers, marketing and experienced staff help us.

SALIENT FEATURES

- Manufactured to EN 60335-1.
- Compact in size.
- Continuous rating with high efficiency.
- Variable speed by changing input voltage or frequency.
- Dynamically balanced in 2 planes
- Balancing as per grade 6.3 of ISO 1940-2000; VDI 2060.
- Winding surge and H.V. Tested.
- Double shielded pre-lubricated ball bearings.
- Low noise.
- Maximum ambient temperature 55°C.

APPLICATIONS

■ AXIAL FLOW FANS

[Applications requiring high air volume and low pressure]

- Instrumentation and electrical panel cooling.
- UPS systems.
- Condenser fans in air conditioning & refrigeration.
- Walk in coolers and deep freezers.
- Welding sets and rectifiers.
- Lift cabin fans.
- Industrial & domestic exhaust fans.

■ CROSS FLOW FANS

[Applications requiring air at low velocity]

- Lift cabin cooling.
- Electrical panel cooling.
- HVAC applications.

■ CENTRIFUGAL BLOWERS

[Applications requiring high static pressure with low volume]

- Cooling AC/DC drives.
- HVAC applications.

■ BACKWARD CURVED FANS

[Applications requiring high static pressure at inlet]

- Roof extractors.
- Electrical panel cooling.
- Thyristor panel cooling.

■ INLINE FANS

[Applications requiring boosting airflow within ducts]

- HVAC applications.
- Industrial & domestic ventilation in bathrooms & kitchens.

MODEL CODING SYSTEM - HOW TO ORDER

PRODUCT CODE

MO	Motor
AF	Axial Flow Fan
SI	Single Inlet Blower
DI	Double Inlet Blower
BC	Backward Curve
CF	Cross Flow Fan
CI	Circular Inline Fan
RI	Rectangular Inline Fan

PRODUCT DIMENSIONS

For Motor	Motor dia. in mm
For Fans / Blowers	Impeller dia. in mm

POLES (SPEED)

2 - 2800 RPM
4 - 1400 RPM
6 - 900 RPM

SUPPLY VOLTAGE

E - 230 Volt, 50 Hz
D - 415 Volt, 50 Hz
(110V, 60 Hz on request)

MOTOR CODE

EXAMPLE

BC

190

2

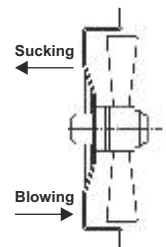
E

S2

NOTE : For Axial Flow Fans the following additional details need to be specified :

- 1) Air Flow Direction** - Reverse/Suction (R) [From Blade to Grill] **OR** Forward/Blow (F) [From Grill to Blade]
- 2) Accessories** - Flat Grill (FG), Basket Grill (BG), Exhaust Frame (EX), Housing (H).

Example for Axial Flow Fan : AF200-2E-S2-RBG



NOTE : Air performance measurements are in conformance with IS 3588.

All sound measurements are carried out in an acoustic test room, usually at a distance of 1 meter from the fan. The sound levels given are the A-weighted overall sound power level.

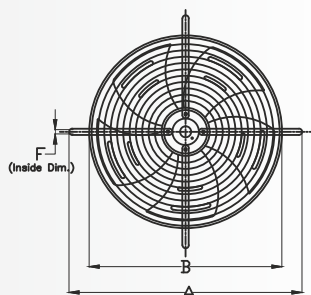
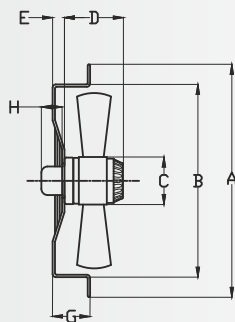
AXIAL FLOW FANS



Blade Diameter : 200 to 630 MM
Input Volts : 110, 230, 415 Volts AC 50/60 Hz. Single & Three Phase
Speed : 900, 1400, 2800 RPM
Air Volume : 350 to 12000 M3/HR
Max Pressure : 35 MM WG

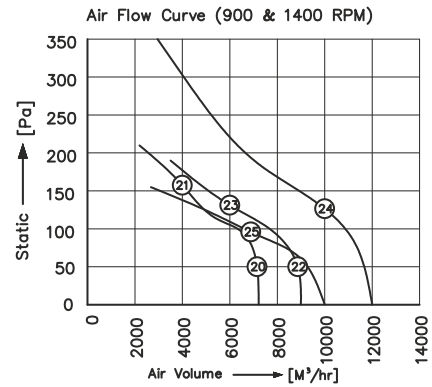
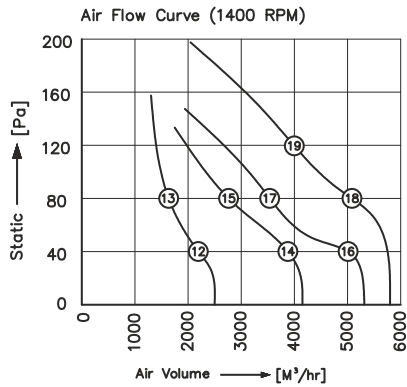
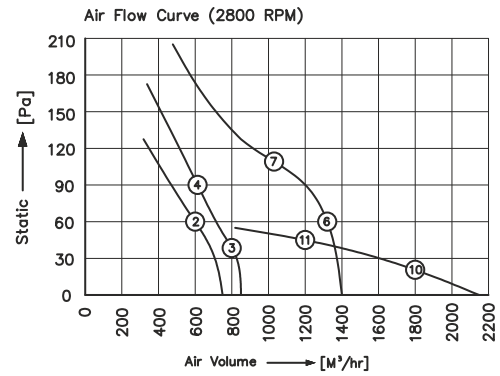
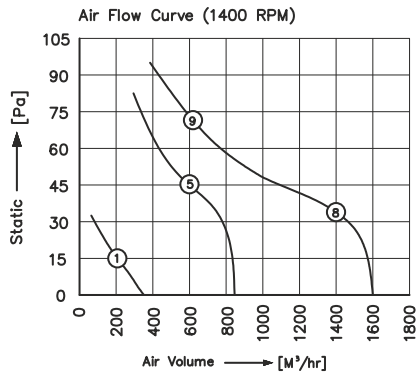
ACCESSORIES AVAILABLE : FRAMES, HOUSINGS, FLAT & BASKET GRILLS

DIMENSIONS - AXIAL FLOW FANS



Model	A	B	C	D	E	F	G	H
AF200	280	230	92	68	–	7.0	45	55
AF250	345	275	92	78	–	8.5	45	55
AF300	380	320	92	88	30	7.5	80	55
AF350	450	365	102	107	30	8.5	80	55
AF400	495	420	102	120	30	8.5	80	55
AF450	555	475	102	133	30	8.5	80	55
AF450	555	475	137	123	30	8.5	80	55
AF500	620	540	137	123	30	8.5	80	55
AF550	680	595	137	136	30	8.5	100	55
AF630	775	650	137	156	30	11.0	100	55

All Dimensions are in MM

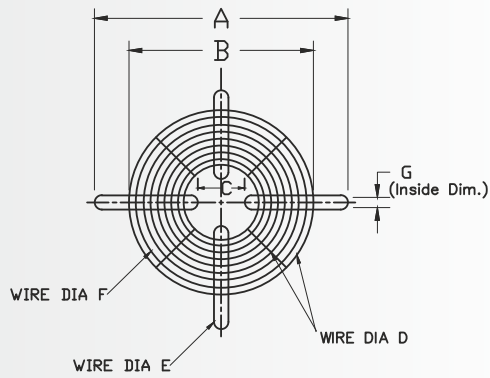


Conversion: 100pa $\approx$ 0.4" H₂O 100m³/hr $\approx$ 60cfm

SPECIFICATIONS - AXIAL FLOW FANS

Sr. No.	Model	Volt (v)	Watts (w)	Current (A)	Speed (RPM)	Capacitor (μ F)	Air Vol. (m ³ /hr)	Noise (dBA)	Nt. Wt. (Kg)
1	AF200-4E-S1	230	32	0.15	1400	1.00	350	56	1.6
2	AF200-2E-S1	230	43	0.20	2500	1.00	750	62	1.6
3	AF200-2E-S2	230	49	0.21	2850	2.00	850	63	2.0
4	AF200-2D-S2	415	59	0.18	2850	—	850	63	2.0
5	AF250-4E-S2	230	50	0.19	1450	2.00	850	60	2.3
6	AF250-2E-S2	230	96	0.41	2500	2.00	1400	66	2.3
7	AF250-2D-S2	415	98	0.20	2500	—	1400	66	2.3
8	AF300-4E-S3	230	85	0.37	1350	3.15	1600	60	3.0
9	AF300-4D-S3	415	90	0.32	1350	—	1600	60	3.0
10	AF300-2E-S3	230	155	0.63	2300	4.0	2150	68	3.3
11	AF300-2D-S3	415	155	0.25	2300	—	2150	68	3.3
12	AF350-4E-K3	230	140	0.63	1400	4.00	2500	58	4.9
13	AF350-4D-K3	415	140	0.48	1400	—	2500	58	4.9
14	AF400-4E-K4	230	180	0.75	1400	6.00	4150	64	5.7
15	AF400-4D-K4	415	180	0.50	1400	—	4150	64	5.7
16	AF450-4E-K5	230	250	1.15	1400	8.00	5400	65	7.0
17	AF450-4D-K5	415	250	0.60	1400	—	5400	65	7.0
18	AF450-4E-M3	230	380	1.60	1350	10.00	5800	71	8.5
19	AF450-4D-M3	415	380	1.05	1350	—	5800	71	8.5
20	AF500-4E-M3	230	415	1.78	1300	10.00	7200	70	9.0
21	AF500-4D-M3	415	450	1.15	1300	—	7200	70	9.0
22	AF550-4E-M5	230	560	2.45	1300	12.00	9000	72	12.0
23	AF550-4D-M5	415	550	1.00	1300	—	9000	72	12.0
24	AF630-4D-M7	415	815	1.68	1350	—	12000	78	15.0
25	AF630-6D-M7	415	550	2.50	950	—	10000	71	15.0

FLAT GRILL

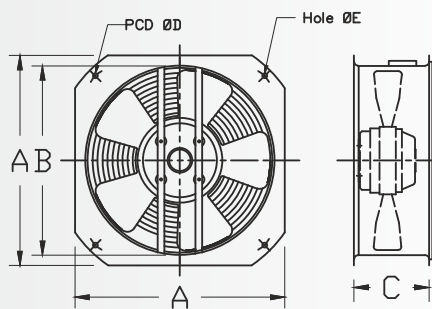


Blade Dia	A	B	C	D	E	F	G
200	265	205	40	3	4	3.0	7.0
250	305	260	40	3	4	3.0	7.0
300	360	290	45	4	4	3.0	7.0
350	440	380	75	4	4	2.5	8.5
400	500	435	75	4	4	2.5	10.0

Note : Please inquire with us if a special type of grill is required

All Dimensions are in MM

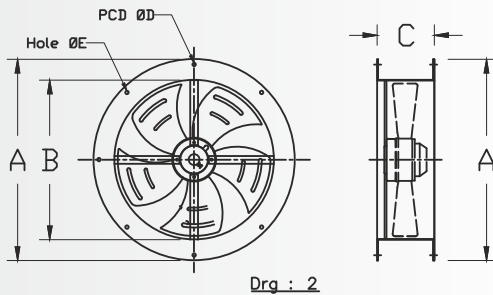
SQUARE HOUSING



Blade Dia	A	B	C	D	E	No's of Hole	Material Thick
200	220	205	86	240	6.0	4	1
250	280	253	100	290	6x14	4	1

All Dimensions are in MM

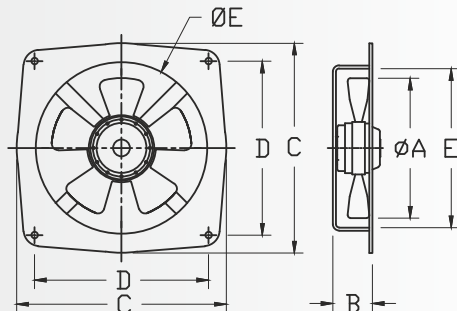
ROUND HOUSING



Blade Dia	A	B	C	D	E	No's of Hole	Material Thick
300	360	310	100	335	7.5	6	1
400	528	416	150	500	7.5	8	2

All Dimensions are in MM

EXHAUST FRAME



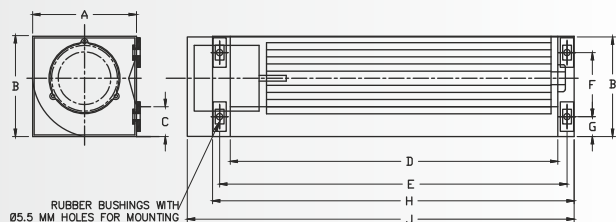
Blade Dia	ØA	B	C	D	ØE
200	200	65	295	235	238
300	300	80	390	310	325
350	350	100	470	375	400
450	450	130	555	450	485
630	630	190	720	595	635

All Dimensions are in MM

CROSS FLOW FANS



DIMENSIONS - CROSS FLOW FANS



Model	A	B	C	D	E	F	G	H	J
CF300-4E-C1	125	130	39	354	375	90	28	395	418
CF400-4E-C2	127	135	42	450	470	90	28	485	510
CF650-4E-K3	180	185	54	710	740	120	46	764	885

All Dimensions are in MM

SPECIFICATIONS - CROSS FLOW FANS

Sr. No.	Model	Volt (v)	Watts (w)	Current (A)	Speed (RPM)	Capacitor (µF)	Air Vol. (m ³ /hr)	Noise (dBA)	Nt. Wt. (Kg)
1	CF300-4E-C1	230	45	0.17	1350	1.50	450	55	3.0
2	CF400-4E-C2	230	45	0.19	1300	1.50	580	55	3.5
3	CF650-4E-K3	230	155	0.65	1300	4.00	750	60	12.5

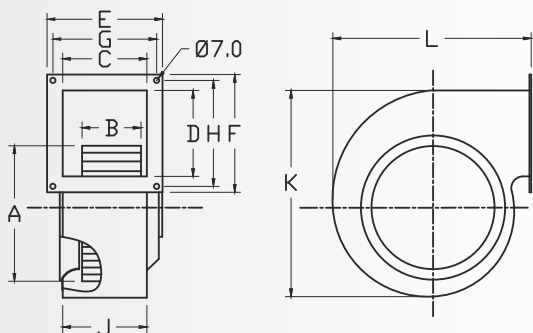
SINGLE INLET CENTRIFUGAL BLOWER



Impeller Diam. : 133 to 240 MM
Input Volts : 110, 230, 415 Volts AC 50/60 Hz. Single & Three Phase
Speed : 900, 1400, 2800 RPM
Air Volume : 225 to 1200 M3/HR
Max Pressure : 50 MM WG

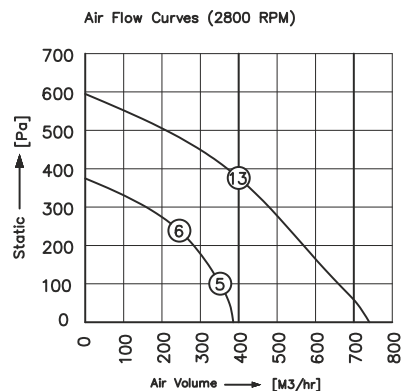
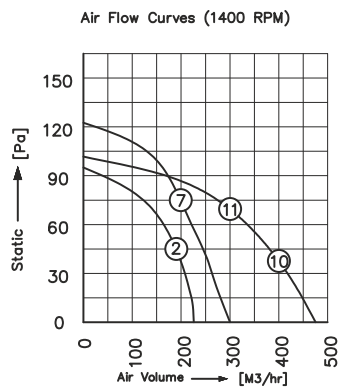
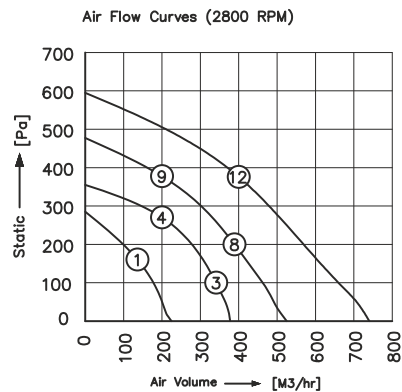
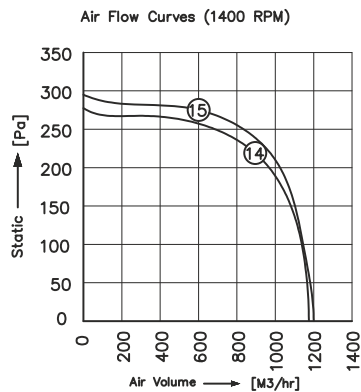
SCROLLS IN C.R.C.A., POWDER COATED & IMPELLERS IN GI

DIMENSIONS - SINGLE INLET



Model	A	B	C	D	E	F	G	H	J	K	L
SI133-S1	133	48	60	75	100	110	80	90	62	190	192
SI140-S2	140	60	80	75	120	115	100	95	82	205	195
SI140-S3	140	60	80	75	120	115	100	85	82	205	195
SI160-S3	160	60	80	90	120	130	100	108	82	258	235
							90	120			
SI180-K4	180	75	100	110	138	150	115	128	102	270	265
SI240-M5	240	100	140	146	196	200	176	180	143	355	338

All Dimensions are in MM



Conversion: 100pa $\approx$ 0.4" H₂O 100m³/hr $\approx$ 60cfm

SPECIFICATIONS - SINGLE INLET

Sr. No.	Model	Volt (V)	Watts (W)	Current (A)	Speed (RPM)	Capacitor (μ F)	Air Vol. (m ³ /hr)	Noise (dBA)	Nt. Wt. (Kg)
1	SI133-2E-S1	230	55	0.24	2100	1.00	225	70	2.5
2	SI140-4E-S2	230	50	0.21	1400	2.00	225	60	2.8
3	SI140-2E-S2	230	97	0.40	2350	2.00	375	73	2.8
4	SI140-2D-S2	415	96	0.18	2350	—	375	73	2.8
5	SI140-2E-S3	230	125	0.55	2750	4.00	400	76	3.3
6	SI140-2D-S3	415	113	0.27	2700	—	400	76	3.3
7	SI160-4E-S3	230	78	0.31	1400	3.15	300	66	3.6
8	SI160-2E-S3	230	176	0.76	2500	4.00	525	76	3.6
9	SI160-2D-S3	415	166	0.31	2550	—	525	77	3.6
10	SI180-4E-K3	230	135	0.63	1450	5.00	475	69	4.9
11	SI180-4D-K3	415	140	0.58	1450	—	475	69	4.9
12	SI180-2E-K4	230	280	1.23	2500	6.00	730	81	5.5
13	SI180-2D-K4	415	280	0.45	2550	—	730	81	5.5
14	SI240-4E-M5	230	330	1.50	1350	10.0	1150	76	12.0
15	SI240-4D-M5	415	320	0.90	1400	—	1200	76	12.0

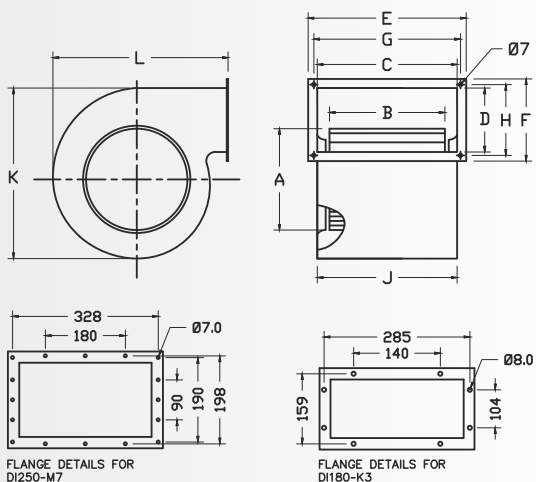
DOUBLE INLET CENTRIFUGAL BLOWER



Impeller Diam. : 133 to 250 MM
Input Volts : 110, 230, 415 Volts AC 50/60 Hz. Single & Three Phase
Speed : 900, 1400, 2800 RPM
Air Volume : 450 to 3250 M3/HR
Max Pressure : 50 MM WG

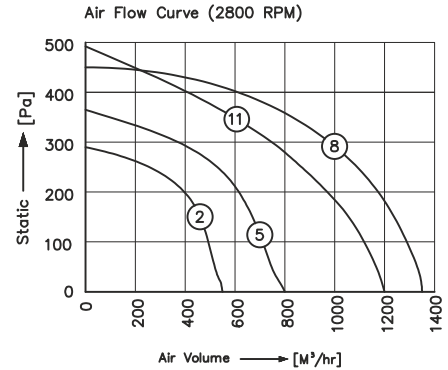
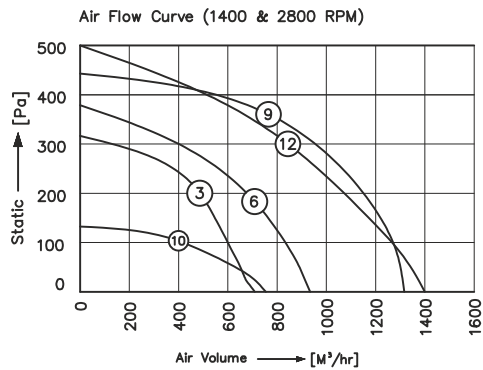
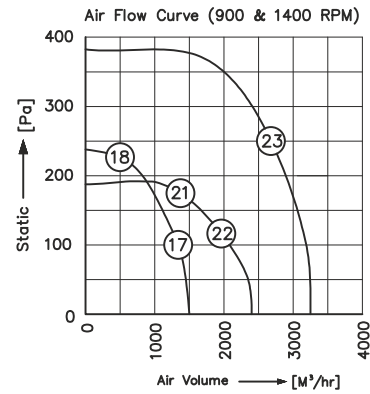
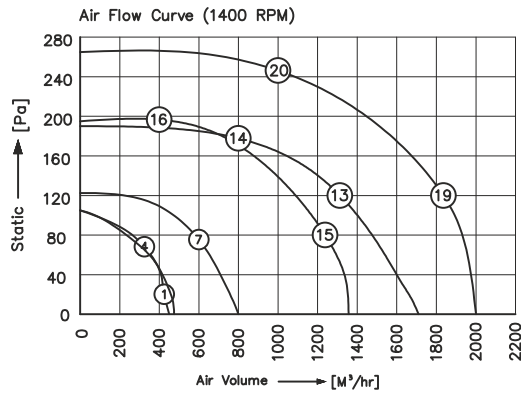
SCROLLS IN C.R.C.A., POWDER COATED & IMPELLERS IN GI

DIMENSIONS - DOUBLE INLET



Model	A	B	C	D	E	F	G	H	J	K	L
DI133-S2	133	120	168	102	206	142	190	126	168	213	204
DI133-S3	133	180	215	68	254	108	238	92	215	187	188
DI146-S3	146	180	232	102	270	142	254	126	232	221	215
DI146-S6	146	180	232	88	266	120	251	105	232	236	226
DI160-S3/S8	160	150	202	105	240	145	220	125	202	223	227
DI180-K3	180	210	258	135	310	180	As shown separately		260	308	300
DI180-K4	180	180	228	100	275	150	255	130	230	267	257
DI200-K5	200	180	202	150	256	204	225	175	204	365	335
DI225-M5	225	210	242	140	296	194	265	165	244	370	328
DI250-M7	250	250	298	167	349	218	As shown separately		300	395	390

All Dimensions are in MM



Conversion: 100pa = 0.4" H2O 100m³/hr = 60cfm

SPECIFICATIONS - DOUBLE INLET

Sr. No.	Model	Volt (V)	Watts (W)	Current (A)	Speed (RPM)	Capacitor (μF)	Air Vol. (m³/hr)	Noise (dBA)	Nt. Wt. (Kg)
1	DI133-4E-S2	230	55	0.24	1300	2.00	450	60	3.5
2	DI133-2E-S2	230	92	0.39	1650	2.00	550	70	3.5
3	DI133-2D-S2	415	140	0.24	2000	—	700	70	3.5
4	DI133-4E-S3	230	80	0.35	1400	3.15	475	67	4.5
5	DI133-2E-S3	230	160	0.66	1800	3.15	800	75	4.5
6	DI133-2D-S3	415	198	0.32	2150	—	925	75	4.5
7	DI146-4E-S3	230	92	0.40	1350	3.15	800	69	5.3
8	DI146-2E-S6	230	354	1.52	2100	8.00	1350	75	7.2
9	DI146-2D-S6	415	335	0.56	2100	—	1300	75	7.2
10	DI160-4E-S3	230	96	0.41	1250	3.15	750	69	4.8
11	DI160-2E-S8	230	470	2.05	2300	10.00	1200	83	7.5
12	DI160-2D-S8	415	502	0.84	2300	—	1400	83	7.5
13	DI180-4E-K3	230	190	0.79	1050	5.00	1700	68	8.5
14	DI180-4D-K3	415	205	0.35	1150	—	1700	68	8.5
15	DI180-4E-K4	230	190	0.80	1350	6.00	1350	68	9.0
16	DI180-4D-K4	415	200	0.49	1400	—	1350	68	9.0
17	DI200-4E-K5	230	270	1.23	1350	8.00	1500	76	10.0
18	DI200-4D-K5	415	268	0.53	1400	—	1500	76	10.0
19	DI225-4E-M5	230	445	1.85	1400	10.00	2000	75	14.0
20	DI225-4D-M5	415	465	1.40	1400	—	2000	75	14.0
21	DI250-6E-M7	230	305	1.30	900	10.00	2350	60	18.5
22	DI250-6D-M7	415	305	0.88	950	—	2400	60	18.5
23	DI250-4D-M7	415	800	1.30	1250	—	3250	72	18.5

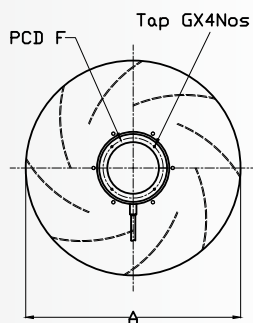
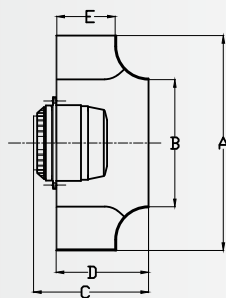
BACKWARD CURVED FANS



Impeller Diam. : 190 to 450 MM
Input Volts : 110, 230, 415 Volts AC 50/60 Hz. Single & Three Phase
Speed : 1400, 2800 RPM
Air Volume : 400 to 4600 M3/HR
Max Pressure : 70 MM WG

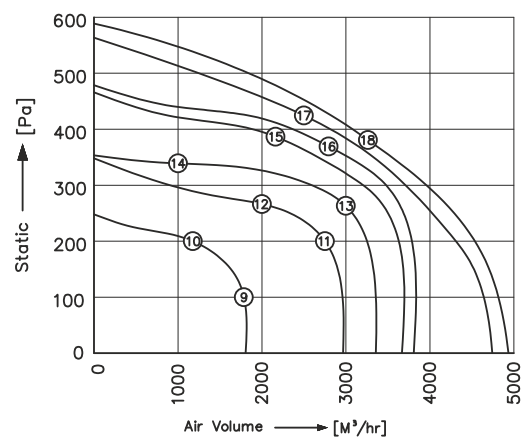
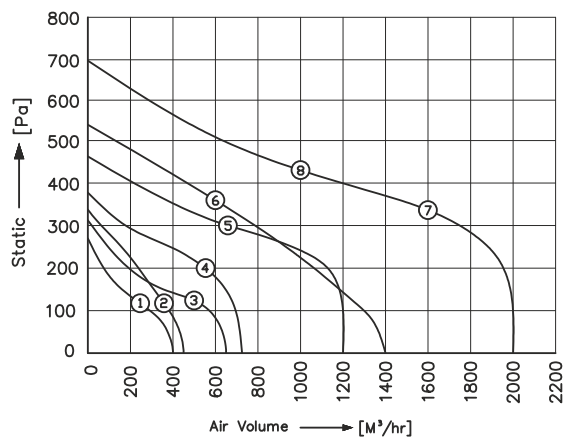
IMPELLERS IN NYLON / GI / ALUMINIUM

DIMENSIONS - BACKWARD CURVED FANS



Model	A	B	C	D	E	F	G
BC190-S1	190	132	74	62	52	58	M5X8MM
BC190-S2	190	132	84	62	52	58	M5X8MM
BC220-S2	220	154	88	62	52	58	M5X8MM
BC225-S3	225	154	102	90	62	58	M5X8MM
BC250-S3	250	174	100	78	57	58	M5X8MM
BC280-S4	280	190	123	82	52	58	M5X8MM
BC315-K3	319	212	178	140	94	90	M6X10MM
BC355-K4	359	240	183	145	94	90	M6X10MM
BC355-M5	359	238	207	165	113	115	M6X15MM
BC400-M5	400	268	208	168	135	115	M6X15MM
BC450-M7	454	300	220	178	112	115	M6X15MM

All Dimensions are in MM



Conversion: 100pa $\approx$ 0.4" H₂O 100m³/hr $\approx$ 60cfm

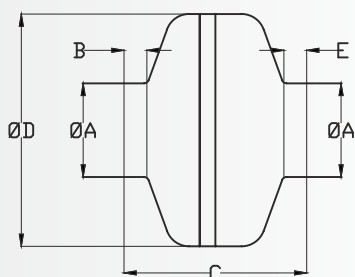
SPECIFICATIONS - BACKWARD CURVED FANS

Sr. No.	Model	Volt (v)	Watts (w)	Current (A)	Speed (RPM)	Capacitor (μF)	Air Vol. (m ³ /hr)	Noise (dBA)	Nt. Wt. (Kg)
1	BC190-2E-S1	230	50	0.21	2250	1.00	400	66	1.5
2	BC190-2E-S2	230	67	0.28	2700	2.00	450	66	1.9
3	BC220-2E-S2	230	80	0.40	2550	2.00	650	70	2.0
4	BC220-2D-S2	415	90	0.20	2600	—	725	70	2.0
5	BC225-2E-S3	230	125	0.55	2550	4.00	1200	74	2.4
6	BC250-2E-S3	230	127	0.54	2600	4.00	1400	72	2.5
7	BC280-2E-S4	230	260	1.15	2550	8.00	2000	79	3.3
8	BC280-2D-S4	415	260	0.60	2550	—	2000	79	3.3
9	BC315-4E-K3	230	130	0.64	1400	4.00	2000	65	4.9
10	BC315-4D-K3	415	135	0.47	1400	—	2000	65	4.9
11	BC355-4E-K4	230	190	0.85	1400	6.00	3000	71	5.0
12	BC355-4D-K4	415	200	0.70	1400	—	3000	71	5.0
13	BC355-4E-M5	230	350	1.70	1400	10.00	3350	75	8.25
14	BC355-4D-M5	415	245	0.87	1450	—	3350	75	8.25
15	BC400-4E-M5	230	400	1.95	1400	10.00	3650	76	8.9
16	BC400-4D-M5	415	400	1.55	1400	—	3800	76	8.9
17	BC450-4D-M7	415	530	1.78	1450	—	4950	82	12.0
18	BC450-4E-M7	230	520	2.45	1400	20.00	4750	80	12.0

CIRCULAR & RECTANGULAR INLINE FANS



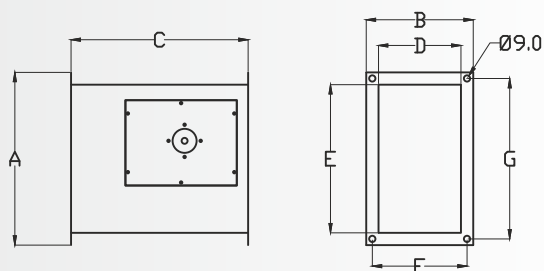
DIMENSIONS - CIRCULAR INLINE FANS



Model	A	B	C	D	E
CI100-2E-S1	100	23	195	242	23
CI125-2E-S2	125	25	195	242	25
CI150-2E-S2	150	27	230	332	27
CI160-2E-S3	160	27	230	332	27
CI200-2E-S3	198	35	230	332	30
CI250-2E-S3	248	35	215	332	30
CI315-2E-K3	315	40	258	402	30

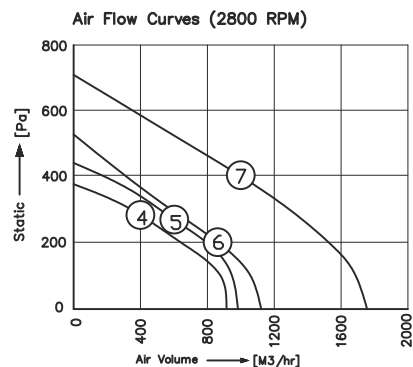
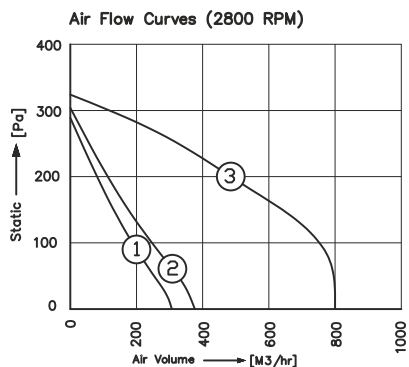
All Dimensions are in MM

DIMENSIONS - RECTANGULAR INLINE FANS



Model	A	B	C	D	E	F	G
RI300X150-S2	345	192	375	150	300	173	323
RI400X200-S2	443	240	500	200	400	221	422
RI500X300-K4	545	340	532	300	500	322	522
RI500X250-S3	542	293	532	250	500	274	521
RI600X300-K4	645	293	642	300	600	321	623
RI600X350-M5	645	390	720	350	600	372	623
RI700X400-M7	742	442	790	400	700	423	722

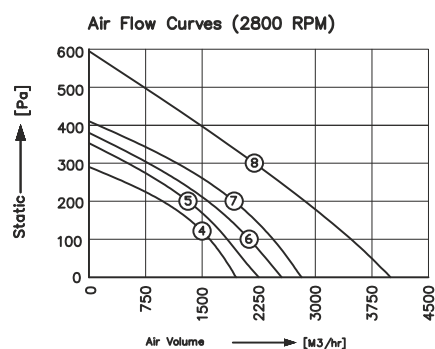
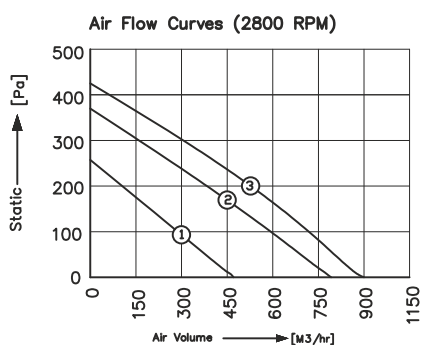
All Dimensions are in MM



Conversion: 100pa ≈ 0.4" H2O 100m³/hr ≈ 60cfm

SPECIFICATIONS - CIRCULAR INLINE FANS

Sr. No.	Model	Volt (V)	Watts (W)	Current (A)	Speed (RPM)	Capacitor (μF)	Air Vol. (m³/hr)	Noise (dBA)	Nt. Wt. (Kg)
1	CI100-2E-S1	230	55	0.21	2350	1.50	300	60	2.9
2	CI125-2E-S2	230	75	0.30	2700	2.00	375	65	3.15
3	CI150-2E-S2	230	95	0.40	2550	2.50	600	72	3.7
4	CI160-2E-S3	230	105	0.45	2650	4.00	925	72	4.9
5	CI200-2E-S3	230	105	0.45	2650	4.00	975	72	5.0
6	CI250-2E-S3	230	120	0.50	2550	4.00	1100	74	5.0
7	CI315-2E-K3	230	285	1.18	2700	5.00	1600	80	7.5



Conversion: 100pa ≈ 0.4" H2O 100m³/hr ≈ 60cfm

SPECIFICATIONS - RECTANGULAR INLINE FANS

Sr. No.	Model	Volt (V)	Watts (W)	Current (A)	Speed (rpm)	Capacitor (μF)	Air Vol. (m³/hr)	Noise (dBA)	Nt. Wt. (Kg.)
1	RI400X200-2E-S2	230	95	0.42	2800	3.15	800	76	11.0
2	RI300X150-2E-S2	230	90	0.40	2700	3.15	475	73	7.4
3	RI500X250-2E-S3	230	100	0.50	2700	4.00	900	77	15.7
4	RI500X300-4E-K4	230	190	1.00	1400	6.00	1950	72	19.0
5	RI600X300-4E-K4	230	190	0.78	1400	6.00	2250	76	23.7
6	RI600X350-4E-M5	230	300	1.35	1400	10.00	2550	78	29.5
7	RI600X350-4E-M5	230	365	1.65	1400	10.00	2850	80	30.4
8	RI700X400-4D-M7	415	430	0.85	1400	—	4000	65	39.0



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