MISSION STATEMENT

To develop, manufacture and market premium quality industrial fans, providing high level of customer satisfaction, rewarding and challenging workplace for our employees and to achieve sustained profitable growth through dedication to service, quality, innovation and continual improvement.

COMPANY POLICY

Aerotech Fans Pty. Ltd. is a manufacturer and supplier of high quality industrial fans to the pollution control, furnace, pneumatic conveying, mining, agriculture, packaging, air-conditioning, fume extraction, ventilating and general engineering industries. We are also the sole Australian distributor of the highly acclaimed Elektror Side Channel Blowers from Germany.

With over 50 years experience, our accumulated knowledge and experience enable us to manufacture high performance centrifugal fans, high pressure blowers, competitively priced cast fans and custom built industrial fans to meet the varied demands of a growing and sophisticated national and international market.

Specialising in custom built industrial fans, complemented by our small to medium range of standard products and a highly motivated, experienced team enable us to work in close contact with our customers, understanding their needs and designing the fans to satisfy all their requirements.

We provide full technical support, superior customer service and prompt delivery. The overall success of Aerotech Fans Pty. Ltd. has been related to our firm commitment to customer satisfaction, quality and ability to manufacture our own equipment.

Aerotech Fans Pty. Ltd. has developed a quality system which is designed, implemented, reviewed and audited in accordance with established procedures to assure compliance with AS/NZS ISO 9002:94 and underpins the company's commitment to the supply of quality goods, services and customer satisfaction.

We make concerted effort to improve continuously and to maintain our competitive advantage gained through greater efficiency . Through maintaining this commitment, continuing our customer orientated focus and utilisation of modern manufacturing techniques, Aerotech Fans Pty Ltd shall continue to provide a high level of quality in goods, services and responsiveness, passing the cost benefits on to our customers.

JAS-ANZ

Quality System
Quality Endorsed Company

IQNet

CERTIFICATE OF REGISTRATION

Aerotech Fans Pty Ltd
ACN 057 717 870

59 Kylta Road WEST HEIDELBERG VIC 3081 AUSTRALIA

complies with the requirements of

AS/NZS ISO 9002:1994
Quality systems-Model for quality assurance in production installation and servicing

for the following capability

The registration covers the quality management system for the manufacture, assembly and sale of industrial fans.

Registered by:
Quality Assurance Services Pty Limited ACN 050 611 642 1 The Crescent Homebush NSW 2140 Australia
Subject to QAS Terms and Conditions for Certification. While all due care and skill was exercised in carrying out this assessment, QAS accepts responsibility only for proven negligence. This certificate remains the property of QAS and must be returned to QAS upon its request.

Certificate No.: QEC12170 **Certified Date:** 11 May 1999
Issue Date: 12 May 1999 **Expiry Date:** 11 May 2002

Keith Ketheeswaran
Managing Director
For and on behalf of
The Board of Quality Assurance Services Pty Limited

Authorised Local Signatory, QAS

QAS
QUALITY ASSURANCE SERVICES

Page 1 of 1

MKB18.01 • CDAN98/160

GOBAL SUBRAMANIAM
Managing Director

Warranty: Aerotech Fans' products are quality products, manufactured to last and are guaranteed against faulty materials and workmanship for twelve months.

Product Specifications: In line with our policy of continuous product improvement, Aerotech Fans reserves the right to modify product specifications, and to add and delete products from the range without notice. Certified information can be supplied on request.

FAN APPLICATION GUIDE

GROUP	CLEAN AIR SUPPLY & EXHAUST	CLEAN SIDE OF BAG HOUSE	GENERAL VENTILATION	AIR CONDITIONING	FORCED / INDUCED DRAFT	PAINT BOOTH	COMBUSTION AIR	AERATION	FLUIDISATION / PRESSURISATION	PNEUMATIC CONVEYING	OVEN RECIRCULATION / DRYERS	FUME & LIGHT DUST	LIGHT DUST, HIGH TEMP. & HUMID CONDITIONS	CONVEYING GRANULAR MATERIAL	STRINGY & FIBROUS MATERIAL	HEAVY ABRASIVE DUST & STICKY MATERIAL	FAN TYPE	PAGES
STANDARD FANS							☺	☺	☺	☺		☺	☺	☺	☺		**B Series** - Cast Iron Exhaust Fan	3 - 8
	☺						☺	☺	☺	☺							**F Series** : Cast & Fabricated Pressure Blowers	9 - 17
	☺	☺					☺	☺	☺	☺							**R Series** : Cast Centrifugal Blowers	18 - 19
										☺		☺	☺	☺	☺		**N Series** : Dust Fans	20 - 22
	☺	☺					☺	☺	☺	☺							**H Series** : Pressure Blowers	23 - 25
	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				**J,K,L,Series** : Centrifugal Fans - Non Overloading, Laminar Bladed	26 - 32
	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺							**JA,KA Series** : Centrifugal Fans - Non Overloading, Aerofoil Bladed	26 - 32
	☺		☺	☺		☺											**AF Series** : Axial Flow Fans	33 - 35
	☺		☺	☺													**MC Series** : Portable Mancooler Fans	36 - 37
	☺		☺	☺													**PRV Series** : Powered Roof Ventilators	38
	☺		☺	☺													**FC Series** : Multivane Fans	39
	☺						☺	☺	☺	☺							**SD and SE Series** : Elektror Side Channel Blowers	40 - 46
CUSTOM BUILT FANS	☺						☺	☺	☺	☺							**HP Series** : Pressure Blowers	47 - 49
	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺				**MVA, MVZ, MVX & MVW Series** : Centrifugal Fans : Non-Overloading, Backward Inclined, Laminar Bladed	50 - 61
	☺	☺	☺	☺	☺	☺	☺	☺	☺	☺							**MAVA, MAVZ & MAVX Series** : Centrifugal Fans : Non-Overloading, Backward Curved, Aerofoil Bladed	50 - 61
												☺	☺				**MVR Series** : Radial Tip Centrifugal Fans	62
												☺	☺	☺			**M Series** : Material Handling Fans - **Type M** impeller	63 - 67
															☺		**M Series** : Material Handling Fans - **Type L** impeller	63 - 67
															☺	☺	**M Series** : Material Handling Fans - **Type O** impeller	63 - 67
																	Mine Ventilation Fans	68
	☺										☺						**Plug** Fans	69
	☺		☺	☺	☺	☺											**Inline** Centrifugal Fans	69
																	Acoustically Lagged Fans	69
																	Petrol Engine Driven Fans	69
FAN ENGINEERING DATA																		70 - 118

This catalogue contains a range of technical information carefully prepared to assist engineers and designers in the selection and application of Aerotech Fans' products.

Should more information be required, our engineers will be pleased to assist.

B Series
Cast Iron Exhausts Fans

Proven performer over 50 years - durable, simple and efficient.
Strong and compact construction provides long trouble free performance under arduous conditions.
Every fan unit is thoroughly inspected and test run before despatching.

Competitive - Economically priced compared with conventional fabricated fans of equivalent performance.

Quick delivery - fans are usually available after 2 to 3 days from placement of order.

Universal rotation - all the 8 angular positions, both clockwise or anti-clockwise can be obtained.

Construction - Same size inlet and outlet for greater convenience when installing.
Fans are available as direct or belt driven.
Direct driven units can be supplied with single phase or three phase motors.
Belt driven units can be supplied as bare shaft or as a packaged unit, complete with drive, belt guard and motor. The cast iron casing is one piece with generous metal thickness to ensure many years of hard wear and resist deterioration from heat, moisture, fumes and dust.
The impeller is cast in one piece, its rigid construction will ensure many years of trouble free service. The standard impeller is cast aluminium, however S.G. iron impellers are available for heavy duty material handling applications.

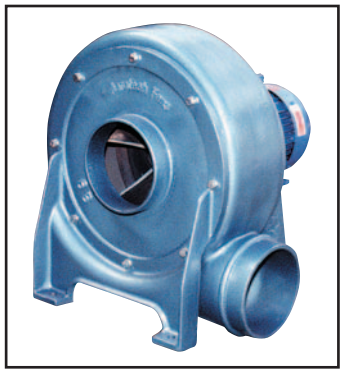
Accessories - A complete line of accessories is available for easy installation - silencers, filters, guards, dampers, inlet/outlet rubber adaptors.

Applications - These fans are designed primarily for the conveying of solid materials such as sawdust, wool, cotton, fibre, wheat etc., fume and dust extraction. They are also ideal for general ventilation, drying, cooling, and exhausting.

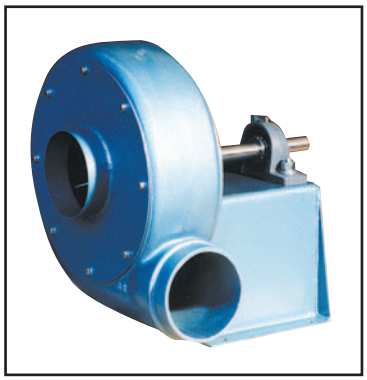
HOW TO ORDER

Step 1		Step 2		Step 3		Step 4		Step 5
B60	-	Arr.4	-	CW90	-	3 Ph	-	

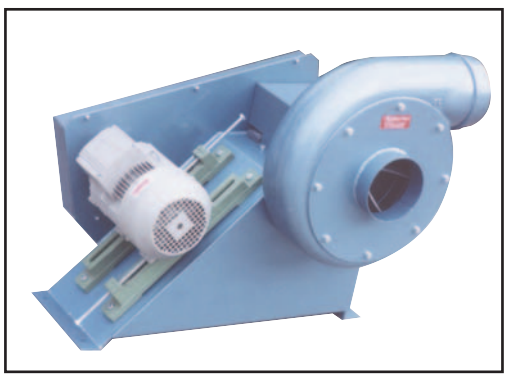
Step 1 Fan Model
Step 2 Fan Arrangement : Arr.4 ; Arr.4F ; Arr.1 BS (Bare Shaft) ; Arr.2 BS; Arr.9 Packaged Unit
Step 3 Fan Rotation & Discharge Position
Step 4 Motor Phase : 1Ph or 3 Ph
Step 5 Special Requirements ie Heavy Duty SG Impeller, Accessories etc.



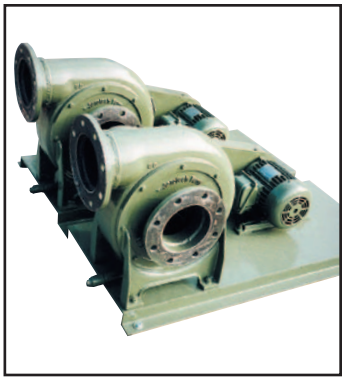
Arr. 4 Direct Drive



Arr. 1 Bare Shaft

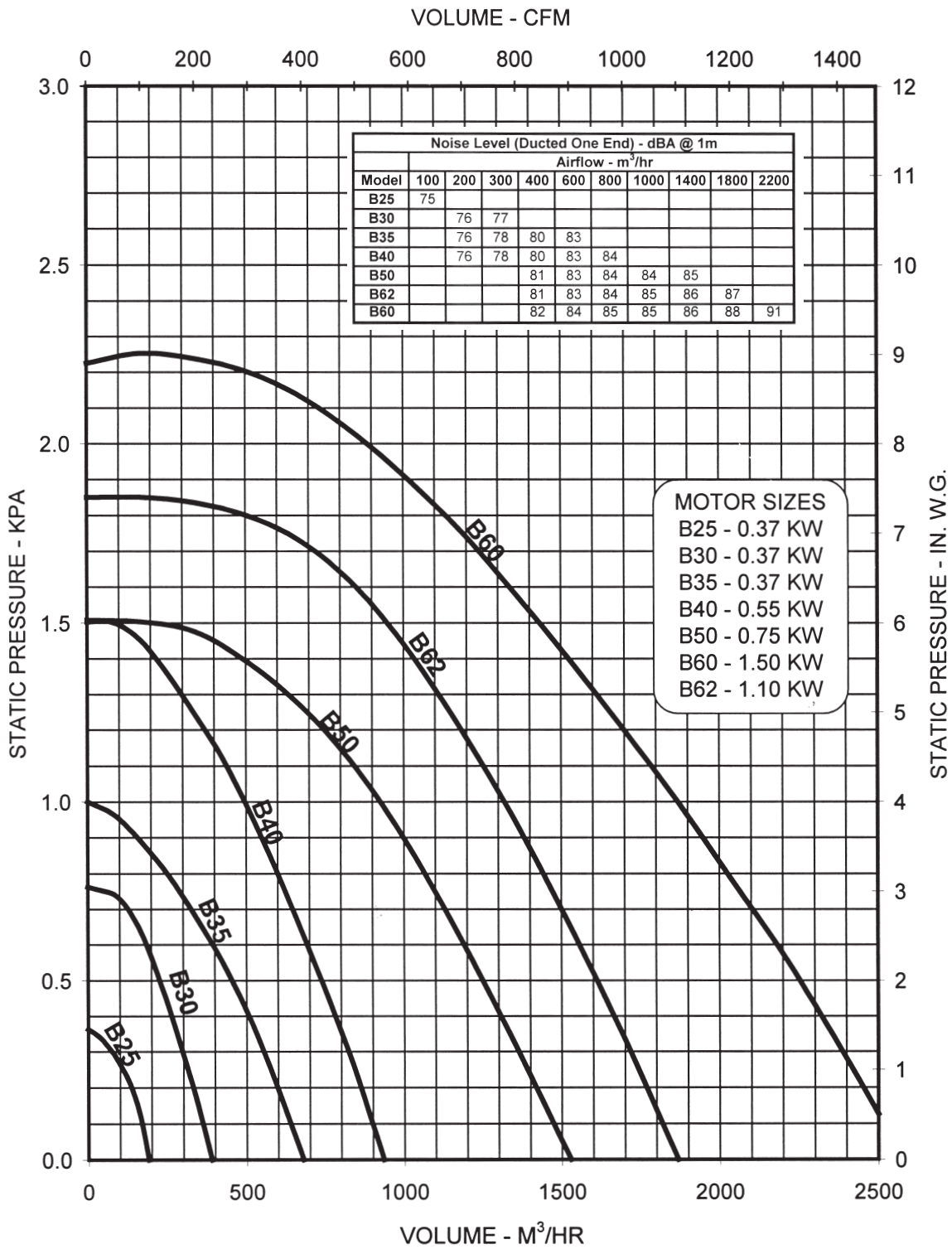


Arr. 9 Package Unit



Arr. 1 Belt Driven with special flanges

B SERIES FANS DIRECT DRIVEN @ 2850 RPM



Noise Level (Ducted One End) - dBA @ 1m										
	Airflow - m^3/hr									
Model	100	200	300	400	600	800	1000	1400	1800	2200
B25	75									
B30		76	77							
B35		76	78	80	83					
B40		76	78	80	83	84				
B50				81	83	84	84	85		
B62				81	83	84	85	86	87	
B60				82	84	85	85	86	88	91

CONVERSION TABLE

1 M^3/HR = 0.589 CFM = 0.278 L/S = 0.0167 M^3/MIN = 0.000278 M^3/S
1 KPA = 4 IN. W.G. = 101.6 MM W.G. = 10 MBAR = 0.145 PSI = 0.295 IN. HG

B SERIES CAST FANS - BELT DRIVE

B25		1500 rpm		1750 rpm		2000 rpm		2250 rpm		2500 rpm		2750 rpm		3000 rpm		3250 rpm		3500 rpm		3750 rpm		4000 rpm	
kPa	in.WG	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s
0.1	0.4			62	5.4	95	8.3	120	10.5	142	12.5	162	14.2	180	15.8	199	17.4	217	19.0	235	20.6	254	22.3
0.2	0.8							42	3.7	90	7.9	124	10.9	152	13.3	176	15.4	196	17.2	217	19.0	237	20.8
0.3	1.2											56	4.9	101	8.9	139	12.2	169	14.8	194	17.0	217	19.0
0.4	1.6													0	0.0	76	6.7	122	10.7	161	14.1	190	16.7
0.5	2.0																	58	5.1	110	9.6	150	13.2
0.6	2.4																			35	3.1	100	8.8
0.7	2.8																					20	1.8
Max.Power		0.01 KW		0.01 KW		0.01 KW		0.01 KW		0.02 KW		0.03 KW		0.03 KW		0.04 KW		0.06 KW		0.07 KW		0.08 KW	

B30		1500 rpm		1750 rpm		2000 rpm		2250 rpm		2500 rpm		2750 rpm		3000 rpm		3250 rpm		3500 rpm		3750 rpm		4000 rpm	
kPa	in.WG	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s
0.2	0.8	52	3.2	131	8.0	183	11.1	228	13.9	272	16.6	315	19.2	355	21.6	393	23.9	433	26.4	470	28.6	508	30.9
0.4	1.6							128	7.8	191	11.6	244	14.9	292	17.8	337	20.5	380	23.1	422	25.7	464	28.3
0.6	2.4											156	9.5	221	13.5	275	16.7	324	19.7	370	22.5	416	25.3
0.8	3.2													112	6.8	202	12.3	263	16.0	316	19.2	366	22.3
1	4.0																	186	11.3	256	15.6	314	19.1
1.2	4.8																			176	10.7	252	15.3
1.4	5.6																					168	10.2
Max.Power		0.03 KW		0.04 KW		0.06 KW		0.09 KW		0.12 KW		0.16 KW		0.21 KW		0.27 KW		0.33 KW		0.41 KW		0.50 KW	

B35		1500 rpm		1750 rpm		2000 rpm		2250 rpm		2500 rpm		2750 rpm		3000 rpm		3250 rpm		3500 rpm		3750 rpm		4000 rpm	
kPa	in.WG	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s
0.25	1	87	3.9	211	9.4	312	14.0	400	17.9	472	21.1	546	24.4	616	27.6	682	30.5	749	33.5	818	36.6	882	39.5
0.5	2.0							200	8.9	317	14.2	416	18.6	506	22.6	586	26.2	660	29.5	737	33.0	806	36.1
0.75	3.0									40	1.8	236	10.6	358	16.0	464	20.8	558	25.0	644	28.8	724	32.4
1	4.0													166	7.4	316	14.1	428	19.1	538	24.1	630	28.2
1.25	5.0															100	4.5	277	12.4	405	18.1	520	23.3
1.5	6.0																	0	0.0	246	11.0	395	17.7
1.75	7.0																					238	10.6
Max.Power		0.06 KW		0.10 KW		0.15 KW		0.21 KW		0.29 KW		0.39 KW		0.50 KW		0.64 KW		0.80 KW		0.98 KW		1.19 KW	

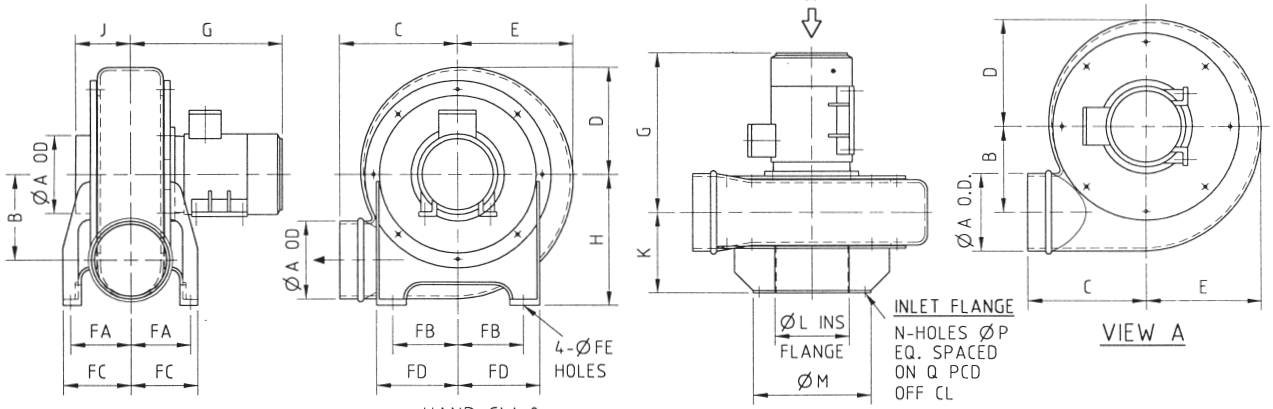
B40		1500 rpm		1750 rpm		2000 rpm		2250 rpm		2500 rpm		2750 rpm		3000 rpm		3250 rpm		3500 rpm		3750 rpm		4000 rpm	
kPa	in.WG	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s
0.4	1.6	100	3.4	282	9.7	414	14.2	532	18.2	638	21.8	742	25.4	840	28.8	937	32.1	1025	35.1	1116	38.2	1208	41.4
0.8	3.2							240	8.2	410	14.0	546	18.7	668	22.9	782	26.8	886	30.3	992	34.0	1092	37.4
1.2	4.8											295	10.1	472	16.2	612	21.0	736	25.2	852	29.2	966	33.1
1.6	6.4													190	6.5	396	13.6	565	19.3	704	24.1	830	28.4
2	8.0																	338	11.6	530	18.2	684	23.4
2.4	9.6																			300	10.3	498	17.1
2.8	11.2																					276	9.5
Max.Power		0.07 KW		0.11 KW		0.17 KW		0.24 KW		0.32 KW		0.43 KW		0.56 KW		0.71 KW		0.89 KW		1.09 KW		1.33 KW	

B50		1500 rpm		1750 rpm		2000 rpm		2250 rpm		2500 rpm		2750 rpm		3000 rpm		3250 rpm		3500 rpm		3750 rpm		4000 rpm	
kPa	in.WG	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s
0.5	2			360	7.9	640	14.0	834	18.3	1016	22.3	1180	25.9	1340	29.4	1500	32.9	1652	36.2	1800	39.5	1946	42.7
1	4.0									554	12.1	840	18.4	1046	22.9	1240	27.2	1414	31.0	1584	34.7	1746	38.3
1.5	6.0													590	12.9	906	19.9	1140	25.0	1344	29.5	1530	33.5
1.75	7.0															648	14.2	964	21.1	1208	26.5	1412	30.9
2	8.0																	734	16.1	1040	22.8	1280	28.1
2.5	10.0																			548	12.0	946	20.7
2.75	11.0																					700	15.3
Max.Power		0.11 KW		0.18 KW		0.27 KW		0.38 KW		0.52 KW		0.69 KW		0.90 KW		1.14 KW		1.43 KW		1.75 KW		2.13 KW	

B60		1500 rpm		1750 rpm		2000 rpm		2250 rpm		2500 rpm		2750 rpm		3000 rpm		3250 rpm		3500 rpm		3750 rpm		4000 rpm	
kPa	in.WG	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s	m^3/hr	m/s
0.5	2	600	9.1	980	14.9	1296	19.7	1594	24.3	1880	28.6	2148	32.7	2400	36.5	2650	40.3	2900	44.1	3152	48.0	3394	51.7
1	4.0					586	8.9	1050	16.0	1416	21.6	1742	26.5	2044	31.1	2330	35.5	2620	39.9	2886	43.9	3150	47.9
1.5	6.0									830	12.6	1280	19.5	1650	25.1	1980	30.1	2300	35.0	2590	39.4	2880	43.8
2	8.0											606	9.2	1180	18.0	1588	24.2	1952	29.7	2280	34.7	2606	39.7
2.5	10.0															1122	17.1	1570	23.9	1970	30.0	2308	35.1
3	12.0																	1106	16.8	1590	24.2	1990	30.3
4	16.0																					1180	18.0
Max.Power		0.23 KW		0.37 KW		0.55 KW		0.78 KW		1.07 KW		1.43 KW		1.85 KW		2.36 KW		2.94 KW		3.62 KW		4.40 KW	

1 m^3/hr = 0.589 CFM = 0.278 l/s ; 1 m/s = 196.9 ft/min

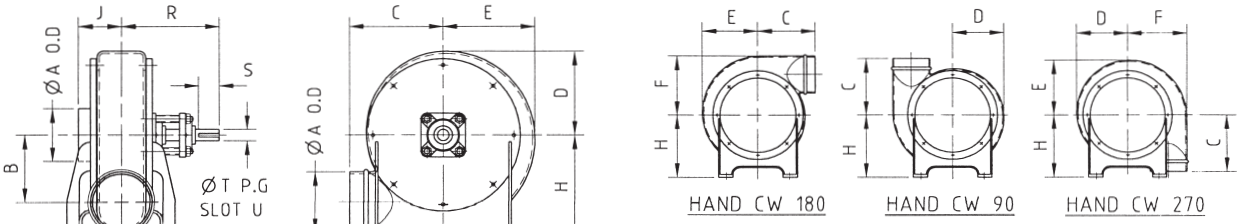
'B' SERIES FANS



ARRANGEMENT 4 DIRECT DRIVE

HAND CW 0

ARRANGEMENT 4F DIRECT DRIVE



CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

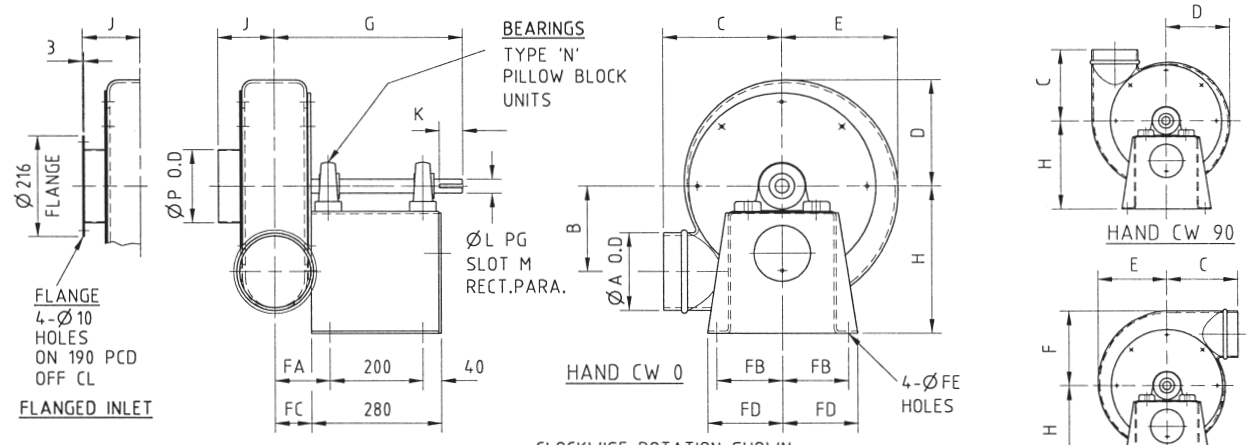
NOTE
45° HANDINGS ALSO
AVAILABLE

ARRANGEMENT 2 BARE SHAFT

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

ELECTRIC MOTOR
415V/3Ph/50Hz
OR 240V/1Ph/50Hz

	GENERAL											INLET FLANGE					ARR 2 BARE SHAFT					FOUNDATION DIMN'S					MOTOR			WT
SIZE	A	B	C	D	E	F	G 3Ph	G 1Ph	H	J	K	L	M	N	P	Q	R	S	T	U	V BRGS	FA	FB	FC	FD	FE	KW	RPM	FRAME	KG
B25	79	80	115	98	108	118	235	288	127	59	89	70	130	4	10	106	167	40	20	6	UCF 204	64	51	73	80	8	0.37	2850	D71	20
B30	90	111	153	137	146	156	233	288	178	57	97	80	158	4	10	128	165	40	20	6	UCF 204	76	89	86	118	8	0.37	2850	D71	25
B35	103	127	178	153	165	178	244	297	203	76	113	92	170	4	10	140	200	45	25	8	UCF 205	89	89	102	124	11	0.37	2850	D71	33
B40	118	146	203	178	191	204	261	315	229	91	123	106	184	4	12	154	210	45	25	8	UCF 205	102	115	115	146	11	0.55	2850	D71	42
B50	142	162	216	194	213	232	264	318	254	102	162	132	210	8	12	180	-	-	-	-	-	115	115	130	150	14	0.75	2850	D80	51
B60	168	184	254	229	248	267	314	331	280	116	172	158	250	8	12	218	-	-	-	-	-	127	140	143	175	14	1.5	2850	D90S	74
B62	168	184	254	229	248	267	280	334	280	116	172	158	250	8	12	218	-	-	-	-	-	127	140	143	175	14	1.1	2850	D80	68



ARRANGEMENT 1 BARE SHAFT

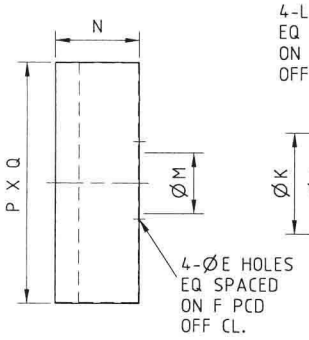
CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

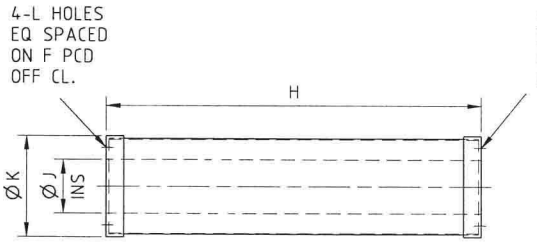
NOTE
45° HANDINGS ALSO
AVAILABLE

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

	GENERAL														FOUNDATION DIMN'S					WT
FAN NO	A	B	C	D	E	F	G	H	J	K	L	M	N BRGS	P	FA	FB	FC	FD	FE	KG
B50	142	162	216	194	213	232	390	280	107	50	30	8	UKP 207	130	103	122	63	142	14	42
B60	168	184	254	229	248	267	405	315	122	50	30	8	UKP 207	156	118	140	78	160	14	60

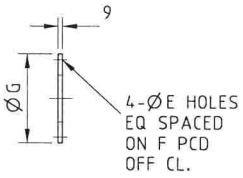
'B' SERIES FANS
OPTIONAL EXTRAS





INLET & DISCHARGE SILENCER

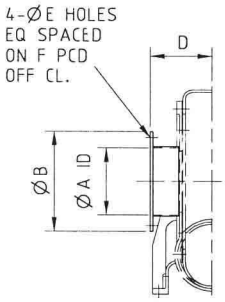
W2= WEIGHT KG



INLET GUARD

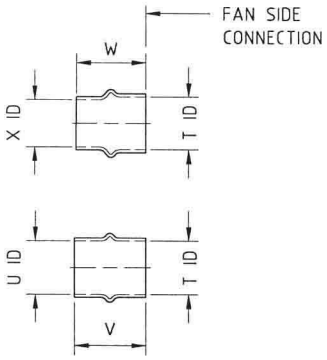
INLET FILTER

SUITABLE FOR CONNECTION TO
INLET FLANGE OR SILENCER.
W1 = WEIGHT KG



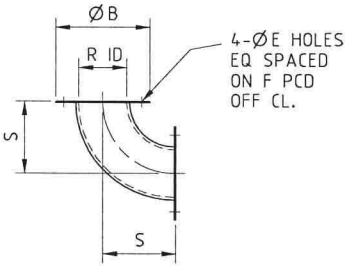
FLANGED INLET
ARR 4 FAN ONLY

W4 = WEIGHT KG



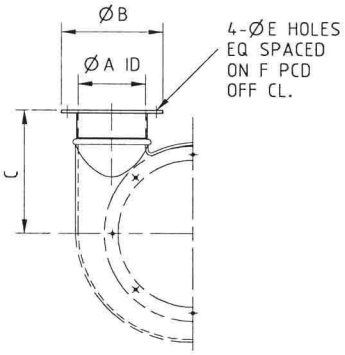
RUBBER ADAPTERS

SUPPLIED C/W HOSE CLIPS
SUITABLE FOR CONNECTION TO
STEEL TUBING.



INLET ELBOW

MATCHES INLET
FLANGE
W3 = WEIGHT KG



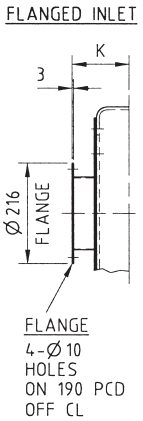
FLANGED OUTLET

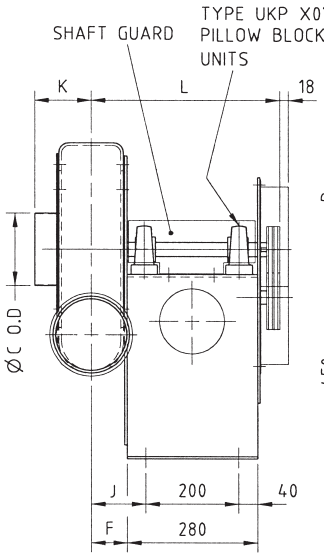
W4 = WEIGHT KG

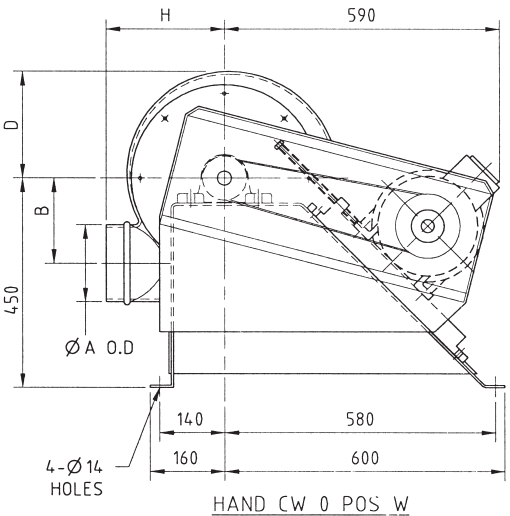
																						WEIGHT KG			
SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	W1	W2	W3	W4
B35	104	190	218	116	8	140	156	700	90	190	M6	100	150	317	317	90	136	102	102	134	146	89	6	5	4	2
B40	119	200	242	130	12	165	200	800	115	216	M10	128	180	514	412	102	155	127	127	152	146	102	10	8	5	2
B50	143	216	256	142	12	190	215	900	152	254	M10	128	180	514	412	128	193	140	152	152	146	128	10	12	14	3
B60	169	254	294	156	12	215	250	900	152	254	M10	150	200	514	514	150	230	178	203	152	140	152	10	12	14	3

'B' SERIES FANS

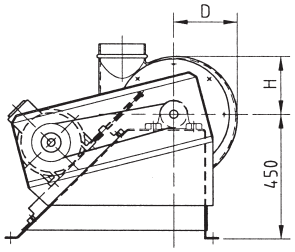
ARRANGEMENT 9 BELT DRIVE UNITS



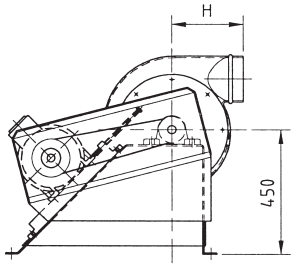




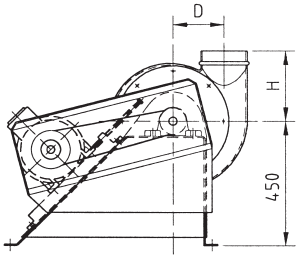
HAND CW 0 POS W



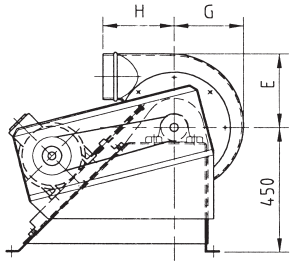
CW 90 POS Z



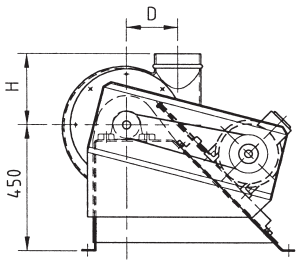
CW 180 POS Z



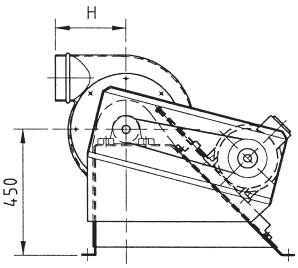
ACW 90 POS Z



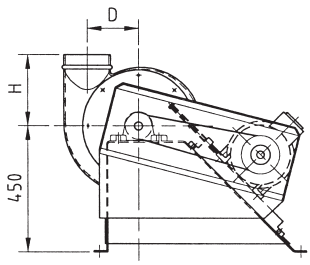
ACW 180 POS Z



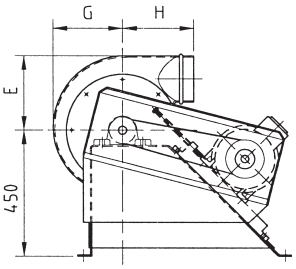
ACW 90 POS W



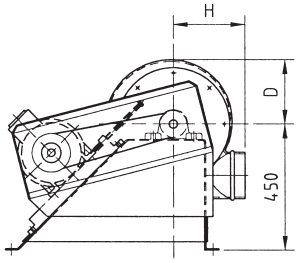
ACW 180 POS W



CW 90 POS W



CW 180 POS W



ACW 0 POS Z

ALTERNATIVE HANDS & MOTOR POSITIONS AVAILABLE

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

FAN No	A	B	C	D	E	F	G	H	J	K	L	KG
B50	142	162	130	194	232	63	213	216	103	107	390	136
B60	168	184	156	229	267	78	248	254	118	122	405	150

F Series
Pressure Blowers

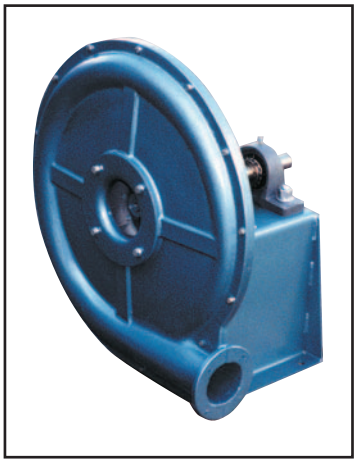
Rugged	Designed and engineered for long service life
Compact	Specifically designed for incorporating into customer's plant and machines
Competitive	Economically priced compared with conventional fabricated fans of equivalent performance
Reliable	Every fan unit is thoroughly inspected and test run before despatching
Quick Delivery	Fans are usually available after 2 to 3 days from placement of order.
Efficient	Fan housing and impeller designed for maximum efficiency and low noise level, thus saving operating costs
Flat Curve	The peak of the static pressure curve is generally quite broad, allowing a relatively wide range of air volume at an almost constant pressure. Fans can be dampered to almost no air delivery without pulsation or surge.
Adaptable	Easily adjusted to alternative handing, clockwise or anti-clockwise.
Accessible	Fan interior is easily accessible without disturbing fan location or electrical connections Casing for models F10 to F34 : Rugged, lightweight and rustproof cast aluminium split housing for maintenance ease. Optional cast iron casing available on request. Casings for models F42 to F78: Whole casing is fabricated in mild steel
Applications	Pneumatic conveying, combustion air, product cooling, drying, water blowoff, aeration, fluidising, suction, agitating, fume extraction, exhausting etc.
Accessories	A complete line of accessories is available for easy installation: Inlet/outlet silencers , Inlet filters, Dampers for volume and pressure adjustments, Inlet guards for unducted inlets, Anti-vibration mounts, Inlet/outlet rubber adaptors, Inlet/outlet spigots, Inlet elbows

HOW TO ORDER

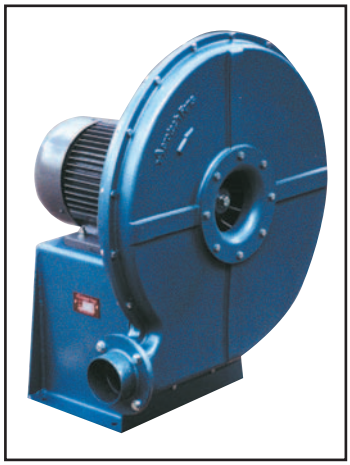
Step 1		Step 2		Step 3		Step 4		Step 5
F24	-	Arr.4	-	CW90	-	3Ph	-	

Step 1 Fan Model
Step 2 Fan Arrangement : Arr.4 ; Arr.4F ; Arr.1 BS (Bare Shaft) ; Arr.9 Packaged Unit
Step 3 Fan Rotation & Discharge Position
Step 4 Motor Phase : 1Ph or 3 Ph
Step 5 Special Requirement ie 1440 RPM, Accessories etc.

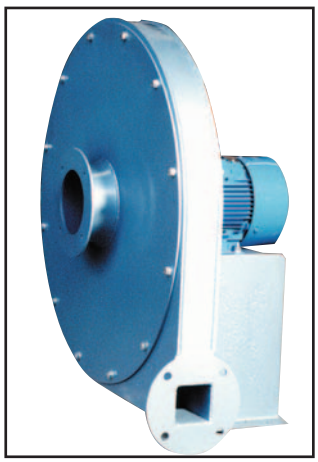
F24., Arr.4 Direct Drive



F24., Arr.1 Bare Shaft



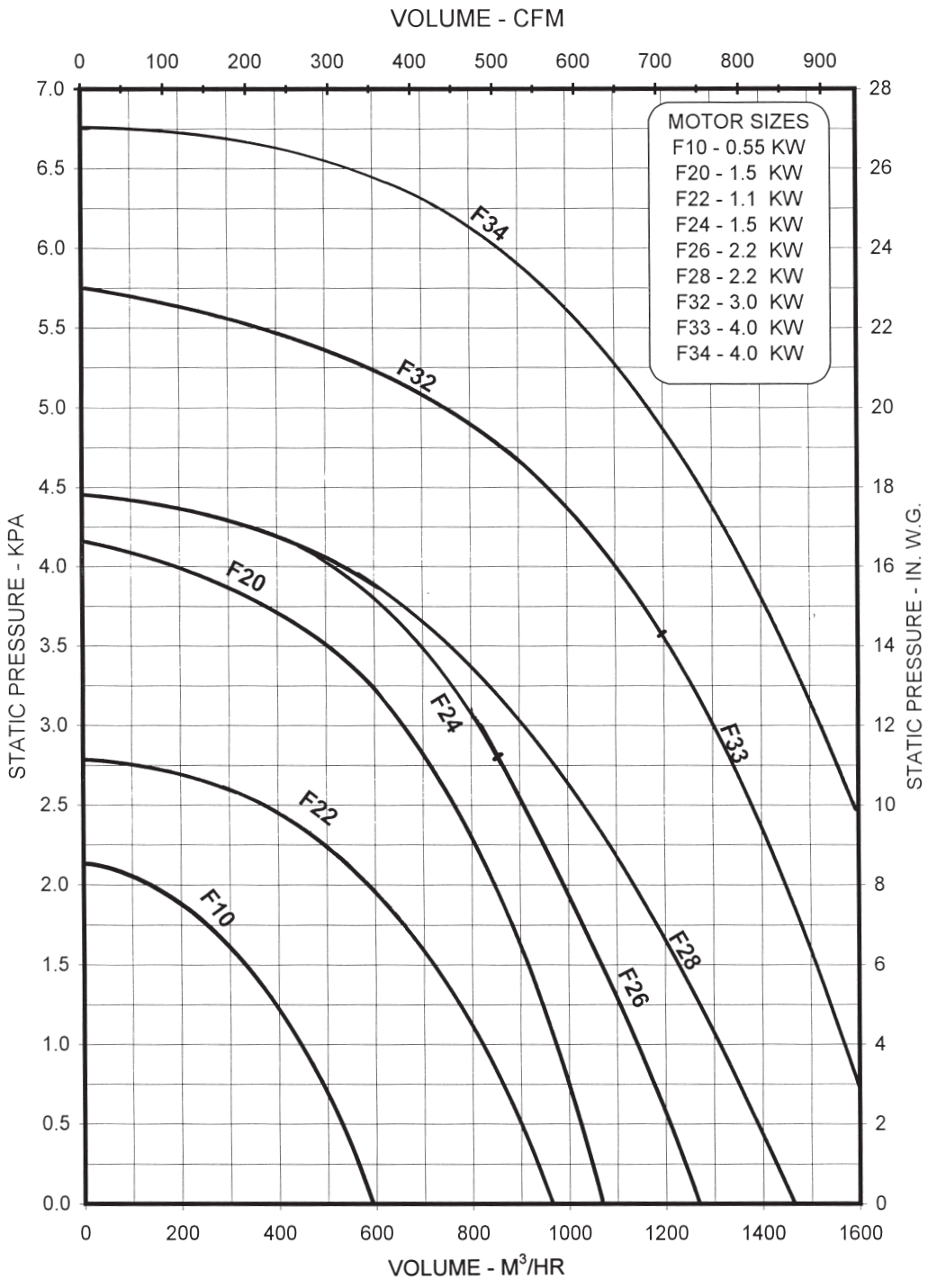
F34., Arr.4 Direct Drive



F42., Arr.4 Direct Drive

F SERIES CAST FANS

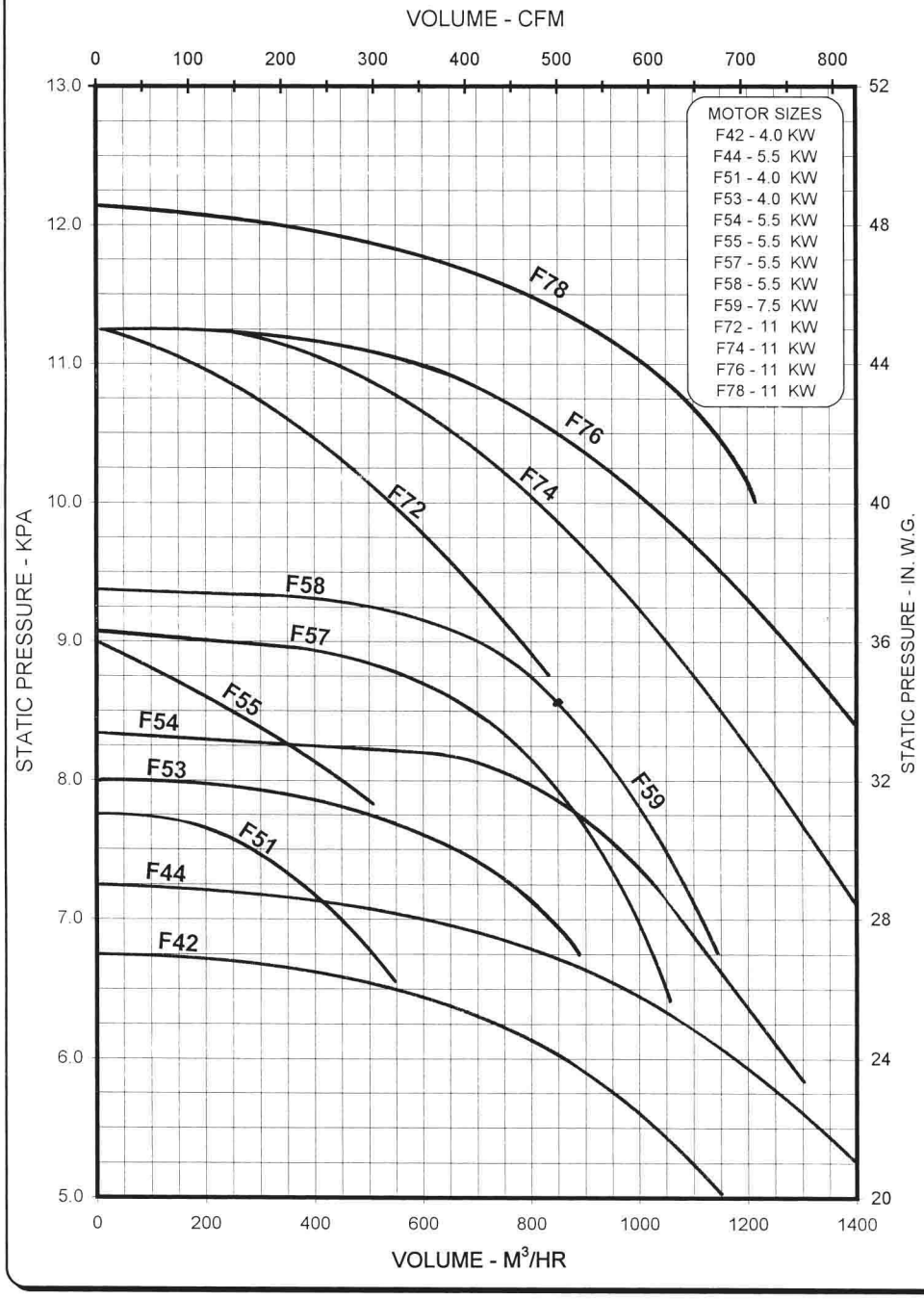
DIRECT DRIVEN @ 2900 RPM



Noise Level (Ducted One End) - dBA @ 1m									
	Airflow - m^3/hr								
Model	**200**	**300**	**400**	**500**	**600**	**800**	**1000**	**1200**	**1400**
F10	77	79	82	85					
F20	83	84	86	87	88	89			
F22	80	82	84	85	86	87			
F24/F26	84	85	87	88	89	90	91		
F28	84	85	87	89	90	91	92	94	
F32/F33	89	90	91	92	92	93	93	95	96
F34	90	90	91	91	92	92	93	94	95

F SERIES FABRICATED FANS

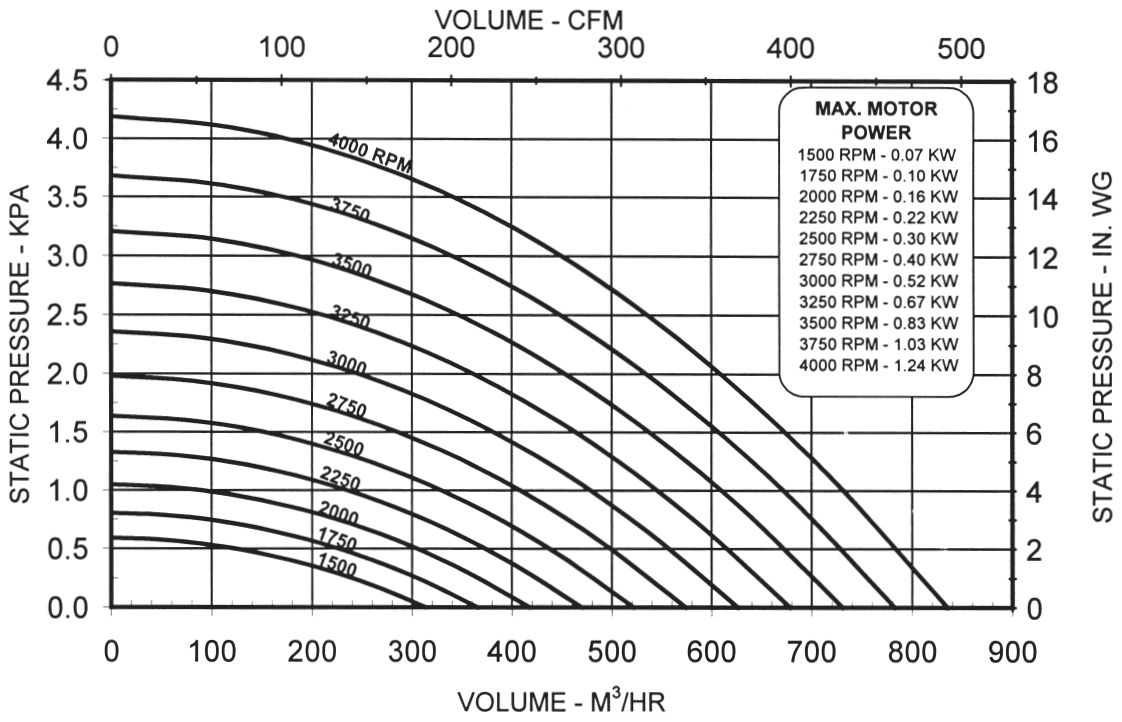
DIRECT DRIVEN @ 2900 RPM



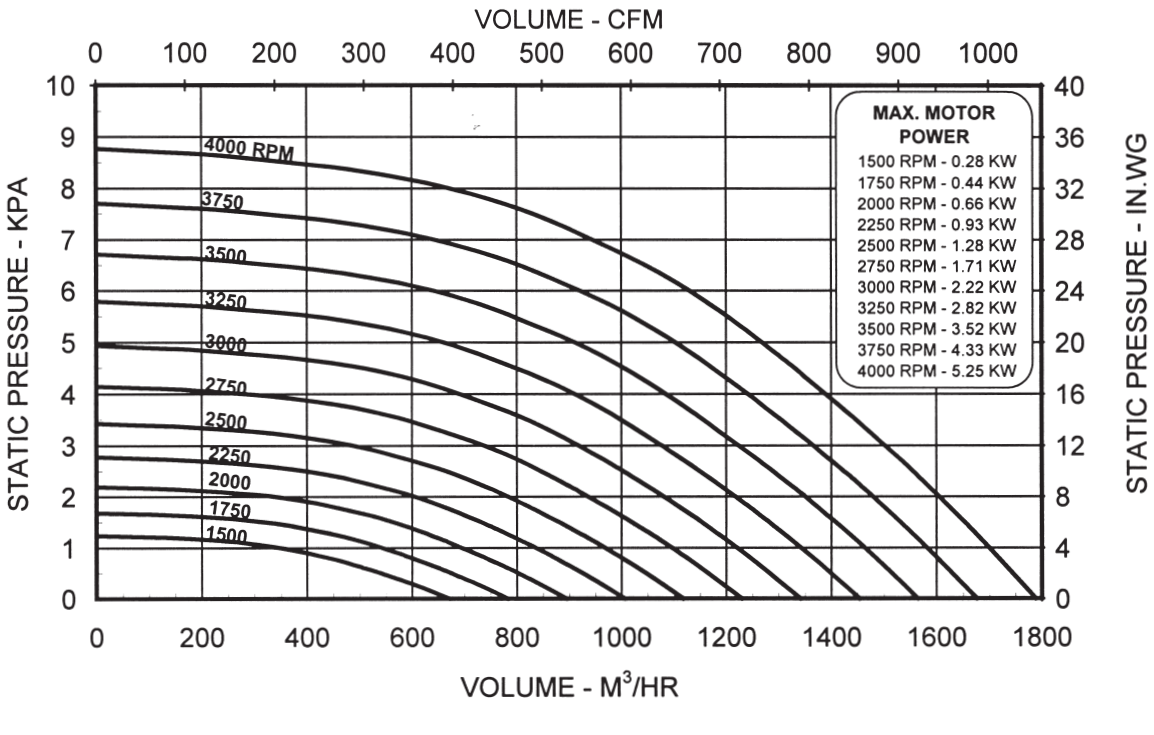
Noise Level (Ducted One End) - dBA @ 1m									
	Airflow - m^3/hr								
Model	**200**	**300**	**400**	**500**	**600**	**800**	**1000**	**1200**	**1400**
F42	93	93	93	94	94	94	95	95	
F44	94	94	94	95	95	95	96	96	96
F51	86	86	87	88	89				
F53	89	90	90	91	92	93			
F54	90	90	91	92	93	93	94	95	
F55	93	93	93	94					
F57	93	94	95	95	98	99	99		
F58/59	94	95	96	97	99	100	101		
F72	94	94	94	94	95	96			
F74	92	93	93	93	93	93	94	94	95
F76	93	93	94	94	95	95	95	96	96
F78	95	95	96	97	97	98	99	100	

F SERIES : BELT DRIVE

MODEL F10 FAN - BELT DRIVE

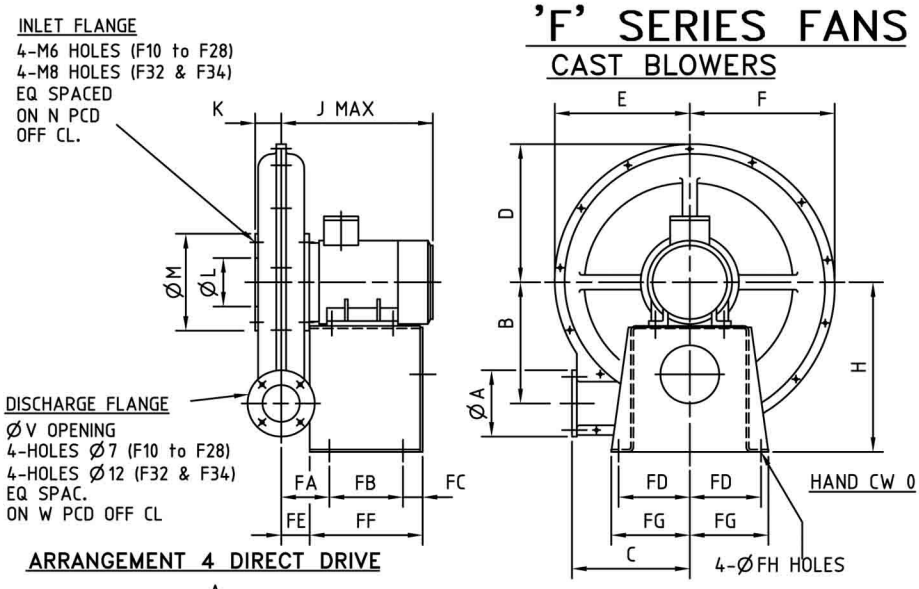


MODEL F24 FAN - BELT DRIVE

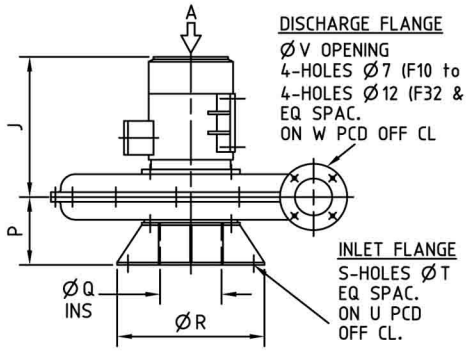


'F' SERIES FANS

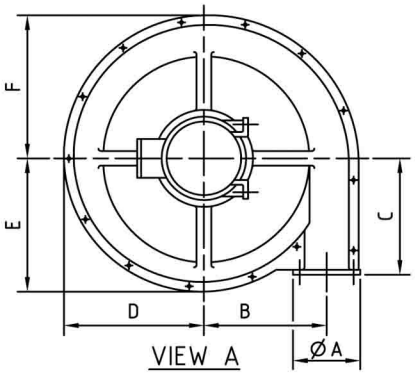
CAST BLOWERS

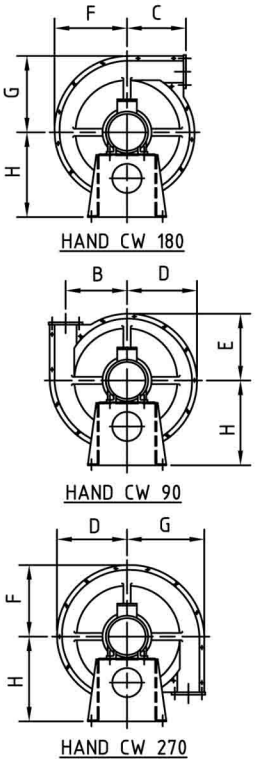


ARRANGEMENT 4 DIRECT DRIVE



ARRANGEMENT 4F DIRECT DRIVE

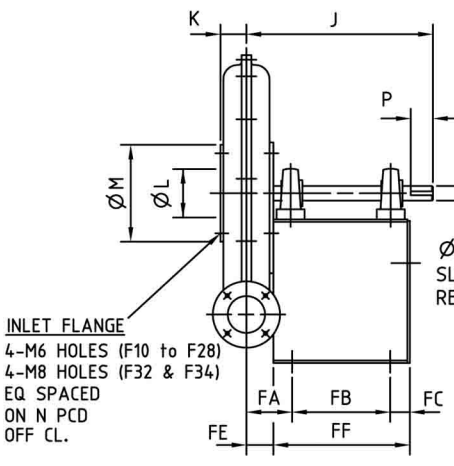




CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

ELECTRIC MOTOR
415V/3Ph/50Hz
OR 240V/1Ph/50Hz

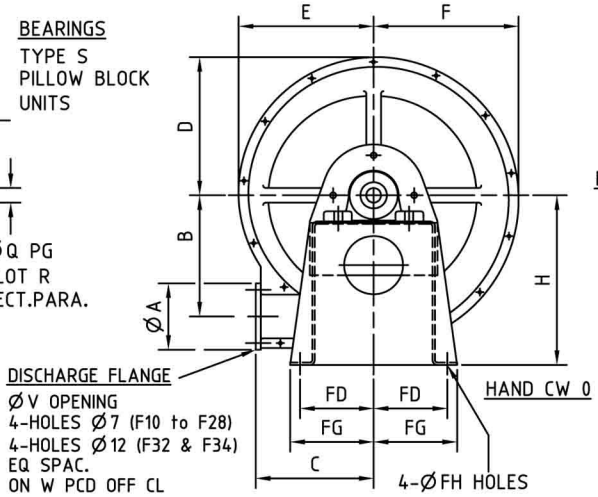
	GENERAL										INLET FLANGE									DISCH.		FOUNDATION FOOTINGS								MOTOR			WT
SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	FA	FB	FC	FD	FE	FF	FG	FH	KW	RPM	FRAME	KG
F10	112	185	205	205	200	225	235	275	235	36	90	156	130	105	96	250	6	10	210	65	97	70	110	35	120	45	170	135	10	0.55	2850	D71	23
F20	137	250	240	285	275	295	315	350	290	52	76	200	165	140	125	300	8	12	256	76	110	98	150	40	145	58	230	160	12	1.5	2850	D90S	44
F22	137	250	240	285	275	295	315	340	290	52	100	200	165	140	125	300	8	12	256	76	110	98	150	40	145	58	230	160	12	1.1	2850	D80	38
F24	137	250	240	285	275	295	315	350	290	52	100	200	165	140	125	300	8	12	256	76	110	98	150	40	145	58	230	160	12	1.5	2850	D90S	44
F26	137	250	240	285	275	295	315	350	290	52	100	200	165	140	125	300	8	12	256	76	110	98	150	40	145	58	230	160	12	2.2	2850	D90L	46
F28	137	250	240	285	275	295	315	350	290	52	125	200	165	140	125	300	8	12	256	76	110	98	150	40	145	58	230	160	12	2.2	2850	D90L	46
F32	170	309	300	360	346	366	380	463	383	61	130	250	215	–	–	–	–	–	–	90	140	123	220	40	190	83	300	210	14	3.0	2850	D100L	85
F34	170	309	300	360	346	366	380	475	406	61	130	250	215	–	–	–	–	–	–	90	140	123	220	40	190	83	300	210	14	4.0	2850	D112M	102

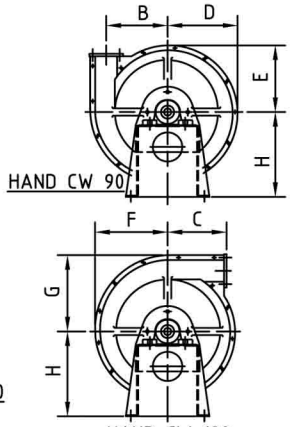


ARRANGEMENT 1 BARE SHAFT

BEARINGS
TYPE S
PILLOW BLOCK
UNITS

ØQ PG
SLOT R
RECT.PARA.





CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

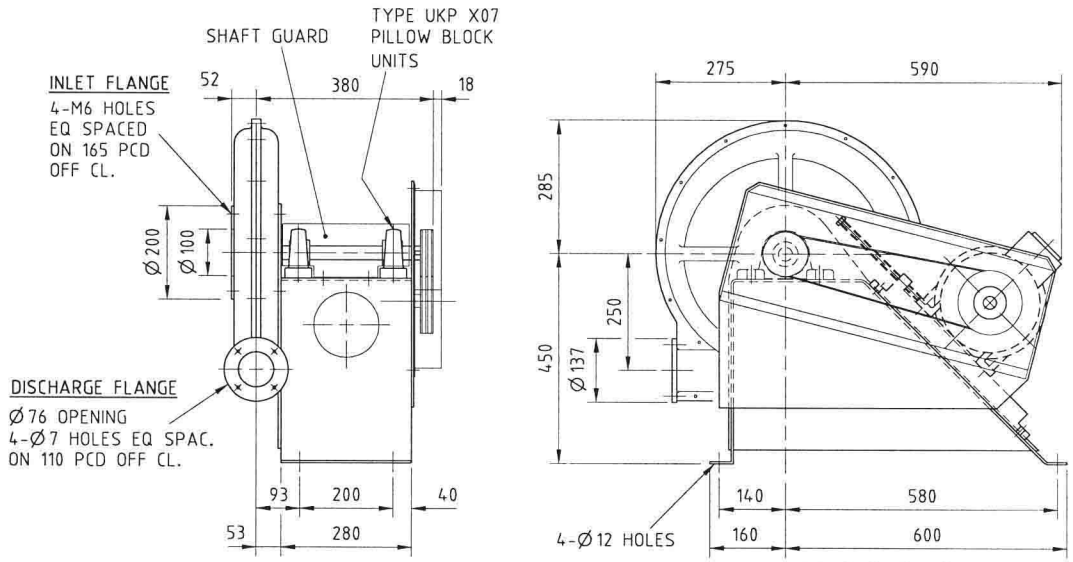
	GENERAL										INLET FLANGE							DISCH.		FOUNDATION FOOTINGS								WT
SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S BRGS	V	W	FA	FB	FC	FD	FE	FF	FG	FH	KG
F10	112	185	205	205	200	225	235	275	260	36	90	156	130	40	25	8	UKP 206	65	97	75	110	35	120	36	184	135	10	18
F24	137	250	240	285	275	295	315	350	380	52	100	200	165	50	30	8	UKP X07	76	110	93	200	40	150	53	280	170	12	30
F32&F34	170	309	300	360	346	366	380	440	425	61	130	250	215	60	35	10	UKP 208	90	140	132	200	36	190	68	300	210	12	63

'F' SERIES FANS

TYPE F24 FAN

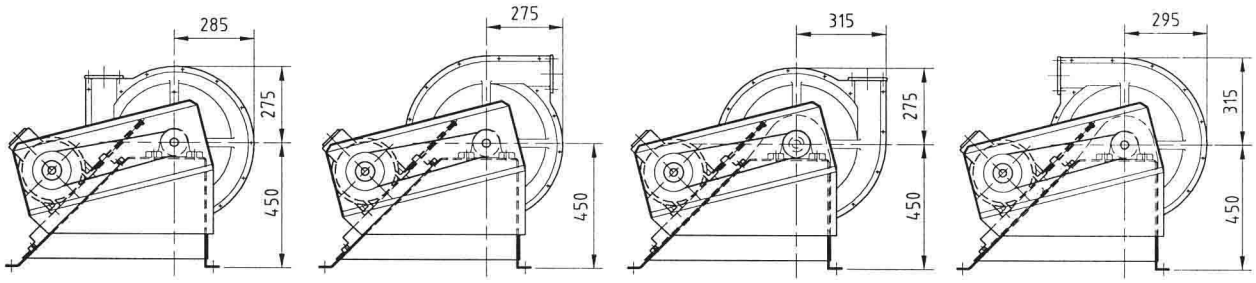
ARRANGEMENT 9 BELT DRIVE UNITS

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

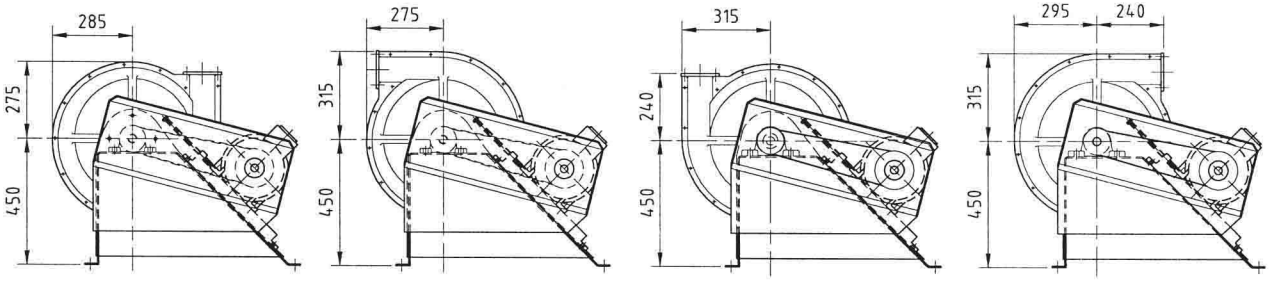


HAND CW 0 POS W

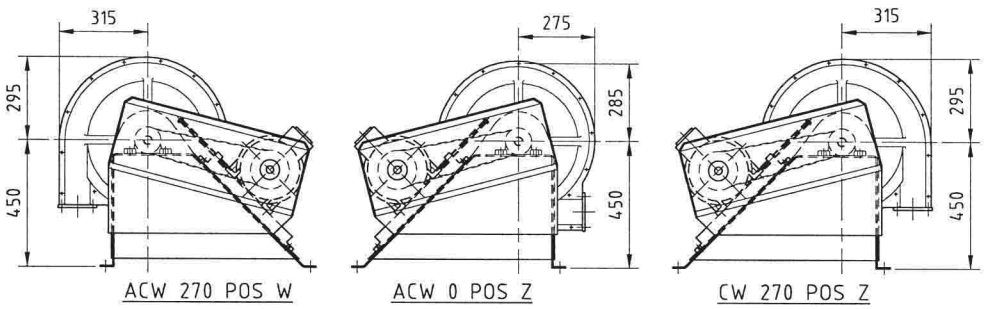
WEIGHT = 115 KG



CW 90 POS Z | CW 180 POS Z | ACW 90 POS Z | ACW 180 POS Z



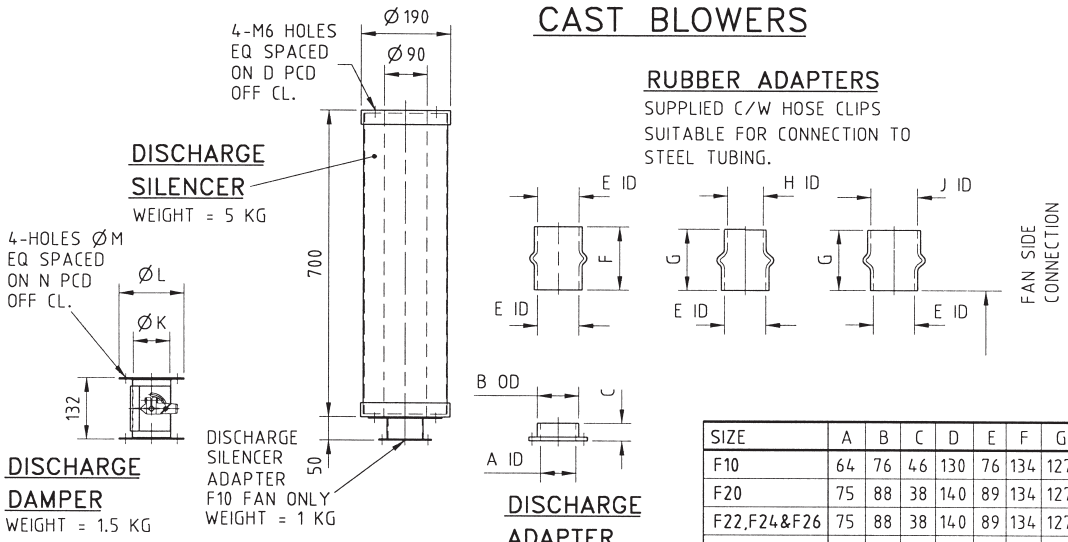
ACW 90 POS W | ACW 180 POS W | CW 90 POS W | CW 180 POS W



ACW 270 POS W | ACW 0 POS Z | CW 270 POS Z

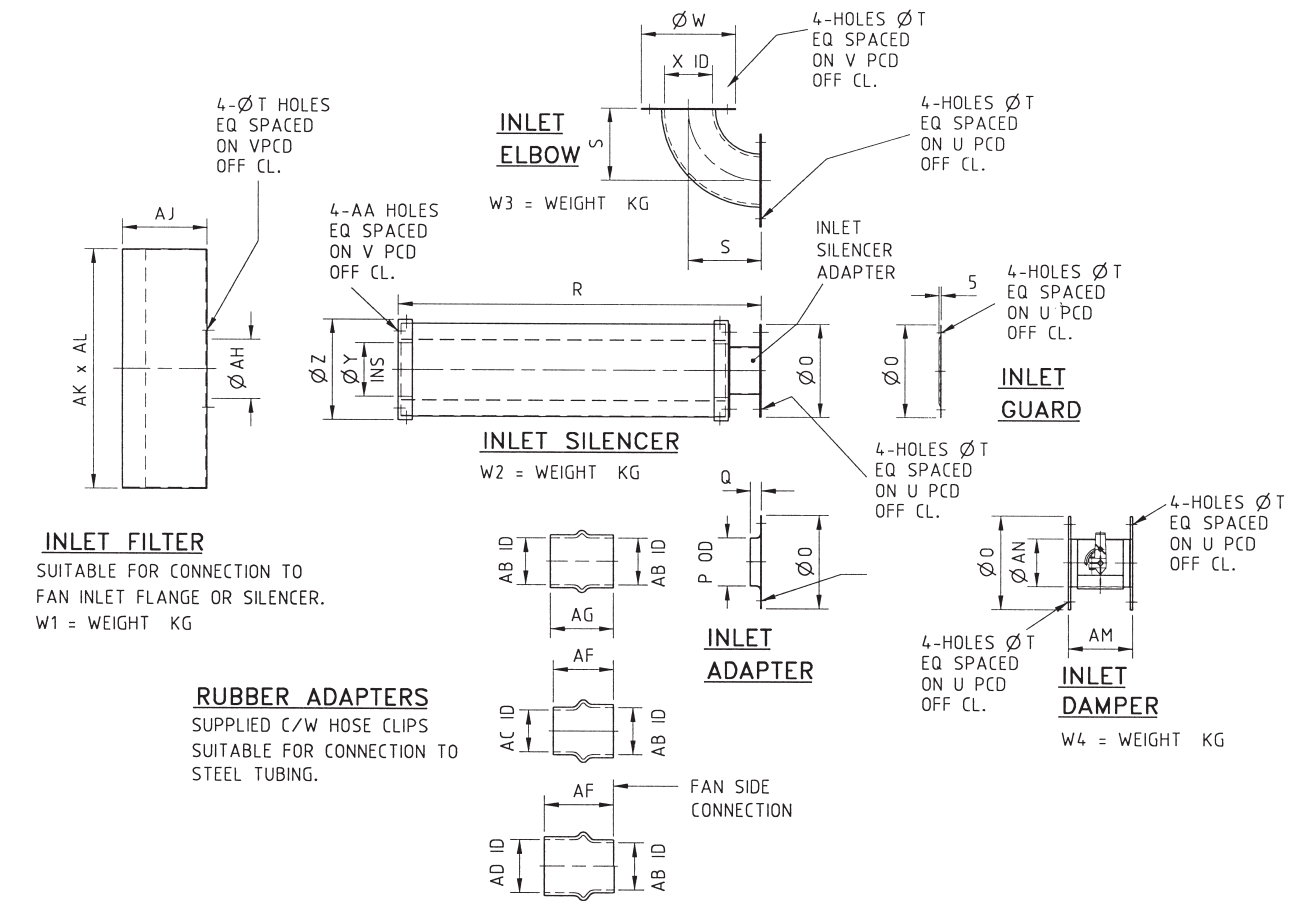
ALTERNATIVE HANDS & MOTOR POSITIONS AVAILABLE

'F' SERIES FANS
OPTIONAL EXTRAS
CAST BLOWERS



DISCHARGE OPTIONAL EXTRAS

SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N
F10	64	76	46	130	76	134	127	89	102	78	112	7	97
F20	75	88	38	140	89	134	127	76	102	78	138	7	110
F22,F24&F26	75	88	38	140	89	134	127	76	102	78	138	7	110
F28	75	88	38	140	89	134	127	76	102	78	138	7	110
F32&F34	92	102	50	140	102	134	146	127	140	96	170	12	140



INLET OPTIONAL EXTRAS

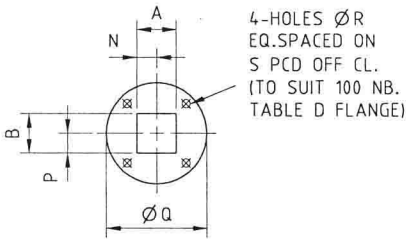
SIZE	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG	AH	AJ	AK	AL	AM	AN	WEIGHT KG W1	W2	W3	W4
F10	156	100	25	760	136	9	130	130	190	90	90	190	M8	102	127	140	146	146	134	100	150	317	317	132	90	6	6	5	1.5
F20	200	78	34	770	155	11	165	165	200	102	90	190	M10	76	102	89	127	127	134	128	180	514	412	132	102	10	7	5	2.5
F22,F24&F26	200	102	23	870	155	11	165	165	200	102	115	216	M10	102	76	127	146	127	134	128	180	514	412	132	102	10	10	5	2.5
F28	200	130	28	970	193	11	165	190	214	128	152	254	M10	128	140	152	152	146	152	128	180	514	412	141	128	10	14	9	2.5
F32&F34	250	134	40	970	234	12	215	215	250	154	152	254	M10	128	140	152	152	146	152	128	180	514	412	145	128	10	14	14	4

'F' SERIES FANS

FABRICATED BLOWERS

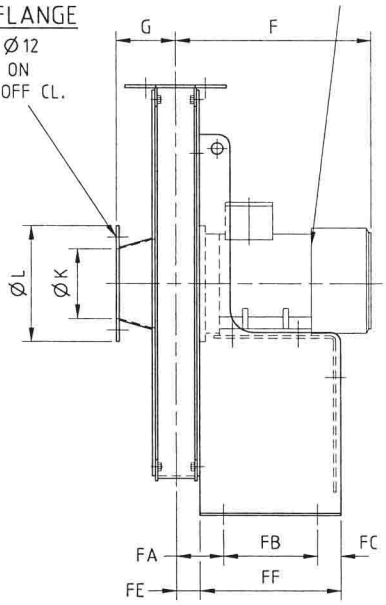
ARR 4 DIRECT DRIVE

NOTE CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

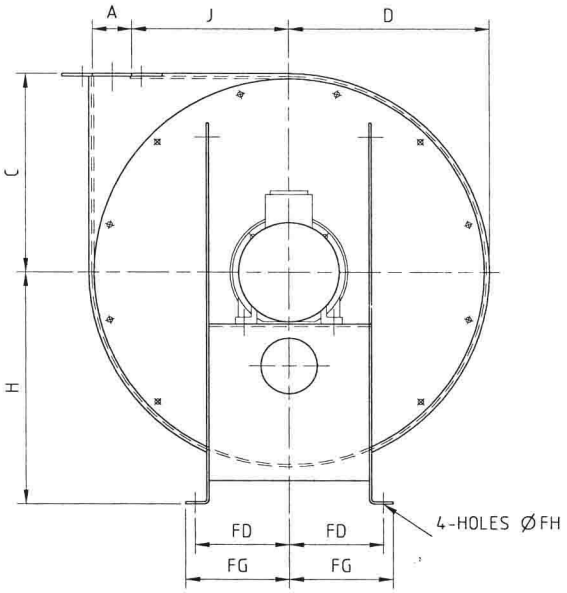


ELECTRIC MOTOR
415V/3Ph/50Hz
FLANGE/FOOT MOUNT

INLET FLANGE
4-HOLES Ø12
EQ.SPAC. ON
200 PCD OFF CL.

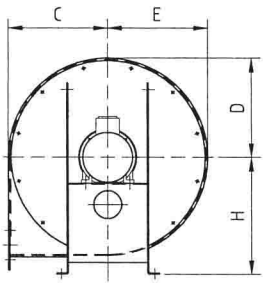


DISCHARGE FLANGE DETAIL

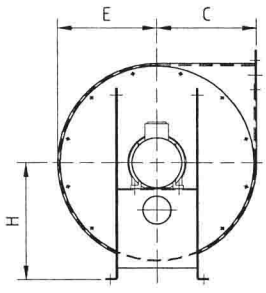


HAND CW 90

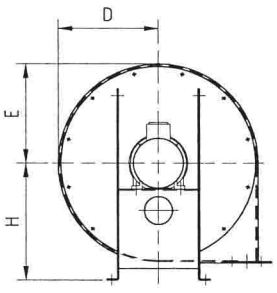
DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION



HAND CW 0



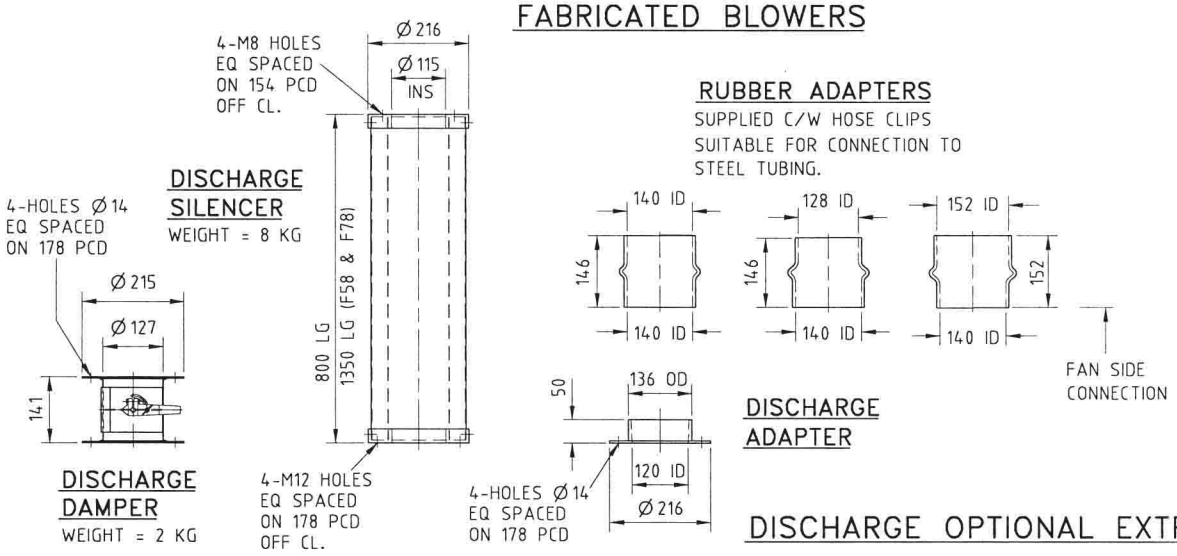
HAND CW 180



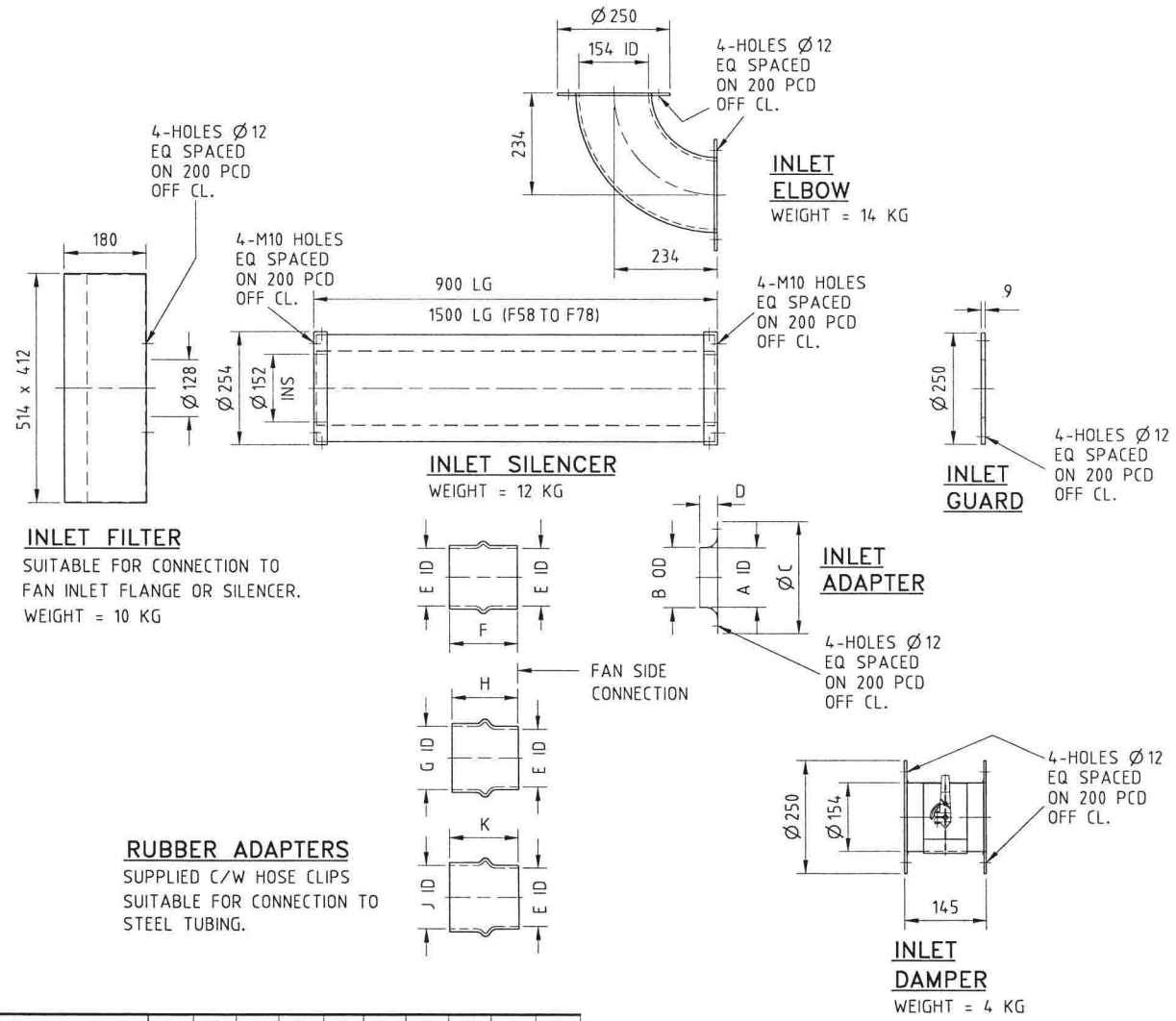
HAND CW 270

GENERAL										INLET FL.			DISCH. FLANGE					FOUNDATION FOOTINGS								MOTOR			WT
SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	FA	FB	FC	FD	FE	FF	FG	FH	KW	RPM	FRAME	KG
F42	108	86	380	395	405	420	110	500	305	136	250	200	54	43	215	18	178	100	200	50	200	50	300	220	14	4.0	2850	D112M	142
F44	108	86	380	395	405	420	110	500	305	136	250	200	54	43	215	18	178	100	200	50	200	50	300	220	14	5.5	2850	D112M	142
F51	84	84	426	426	426	416	126	500	334	150	250	200	42	42	215	18	178	100	200	50	200	50	300	220	14	4.0	2850	D112M	162
F53	84	84	426	426	426	416	126	500	334	150	250	200	42	42	215	18	178	100	200	50	200	50	300	220	14	4.0	2850	D112M	162
F54	84	84	426	426	426	416	126	500	334	150	250	200	42	42	215	18	178	100	200	50	200	50	300	220	14	5.5	2850	D112M	166
F55	84	84	426	426	426	416	126	500	334	150	250	200	42	42	215	18	178	100	200	50	200	50	300	220	14	5.5	2850	D112M	166
F57	84	84	426	426	426	416	126	500	334	150	250	200	42	42	215	18	178	100	200	50	200	50	300	220	14	5.5	2850	D112M	166
F58	84	84	426	426	426	416	126	500	334	150	250	200	42	42	215	18	178	100	200	50	200	50	300	220	14	5.5	2850	D112M	167
F59	84	84	426	426	426	416	126	500	334	150	250	200	42	42	215	18	178	100	200	70	200	50	320	220	14	7.5	2850	D132S	185
F72	84	84	506	506	506	485	126	580	414	150	250	200	42	42	215	18	178	100	240	50	220	50	340	240	14	11	2850	D132M	236
F74	84	84	506	506	506	485	126	580	414	150	250	200	42	42	215	18	178	100	240	50	220	50	340	240	14	11	2850	D132M	236
F76	84	84	506	506	506	485	126	580	414	150	250	200	42	42	215	18	178	100	240	50	220	50	340	240	14	11	2850	D132M	236
F78	84	84	506	506	506	485	126	580	414	150	250	200	42	42	215	18	178	100	240	50	220	50	340	240	14	11	2850	D132M	236

'F' SERIES FANS
OPTIONAL EXTRAS
FABRICATED BLOWERS



DISCHARGE OPTIONAL EXTRAS



SIZE	A	B	C	D	E	F	G	H	J	K
F42 & F44	132	134	250	40	128	152	140	146	152	152
F51,F53 TO F59 F72,F74,F76 & F78	146	152	244	40	152	165	128	152	-	-

INLET OPTIONAL EXTRAS