R Series Blowers

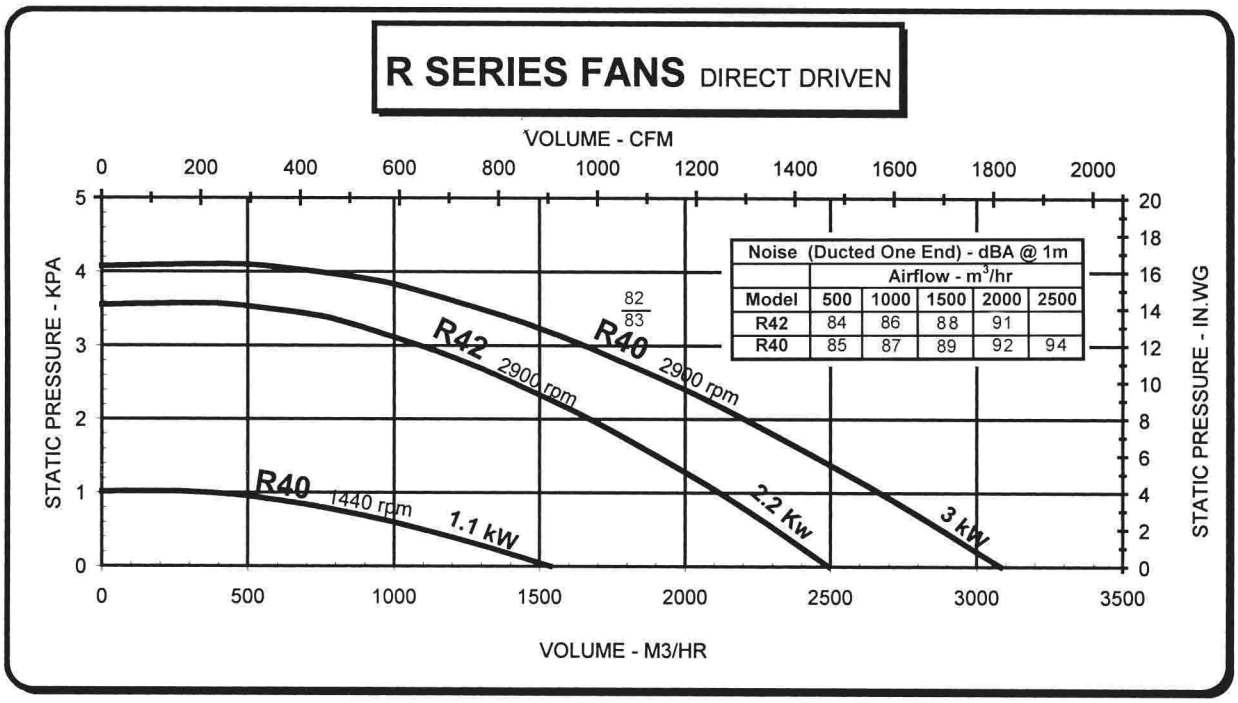
Rugged	Designed and engineered for long service life
Compact	Specifically designed for incorporating into customer's plant and machines
Competitive	Economically priced compared with conventional fabricated fans of equivalent performance
Reliable	Every fan unit is thoroughly inspected and test run before 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
Adaptable	Easily adjusted to alternative handing, clockwise or anti-clockwise
Accessible	Fan interior is easily accessible without disturbing fan location or electrical connections
Casing	Rugged, lightweight and rustproof cast aluminium split housing for maintenance ease
Applications	Pneumatic conveying, combustion air, product cooling, aeration, fluidising, drying, 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
R40	-	Arr.4	-	CW90	-	3 Ph	-	

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 Requirements ie 1440 RPM, Accessories etc.

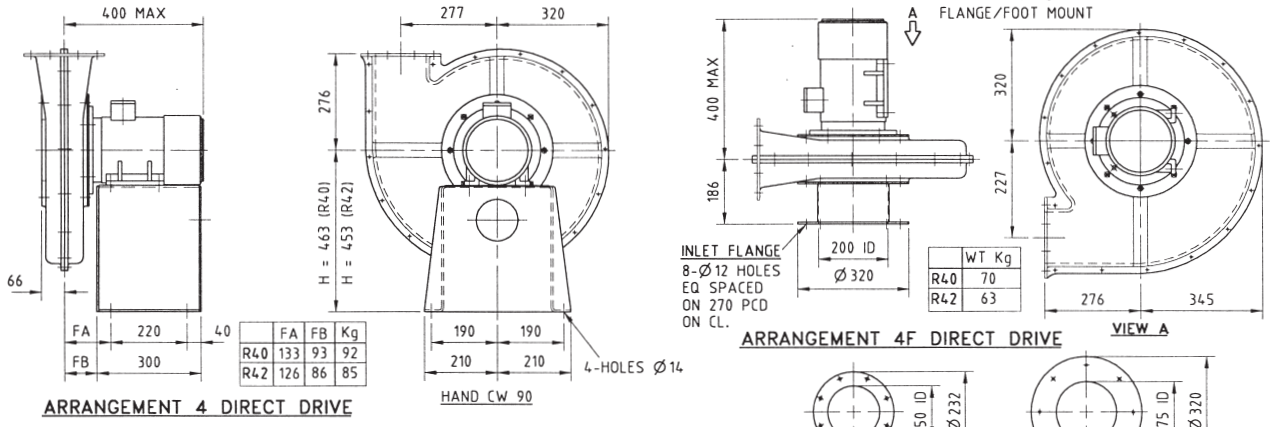
R40, Arr. 4 Direct Drive



'R' SERIES FANS

R40 & R42 CAST BLOWERS

ELECTRIC MOTORS
R40 FAN 3.0 KW D100L
R42 FAN 2.2 KW D90L
2850 RPM
415V/3Ph/50Hz
FLANGE/FOOT MOUNT

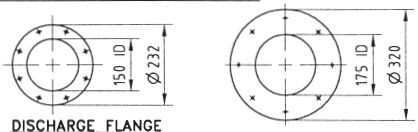


	FA	FB	Kg
R40	133	93	92
R42	126	86	85

	WT Kg
R40	70
R42	63

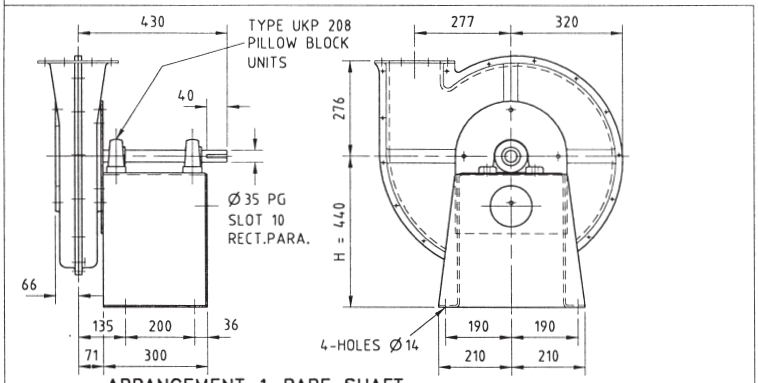
ARRANGEMENT 4 DIRECT DRIVE

ARRANGEMENT 4F DIRECT DRIVE

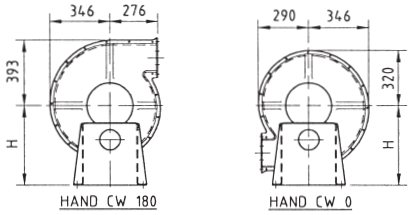


DISCHARGE FLANGE
8-HOLES Ø10 EQ SPAC.
ON 206 PCD OFF CL.

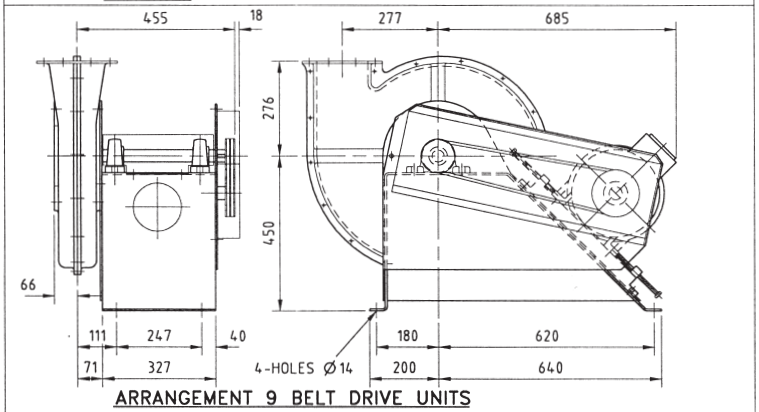
INLET FLANGE
8-M8 HOLES EQ SPAC.
ON 270 PCD ON CL.



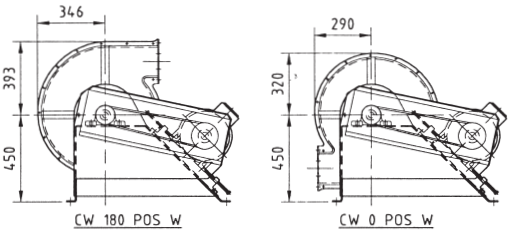
ARRANGEMENT 1 BARE SHAFT
R40 FAN WEIGHT = 64 KG

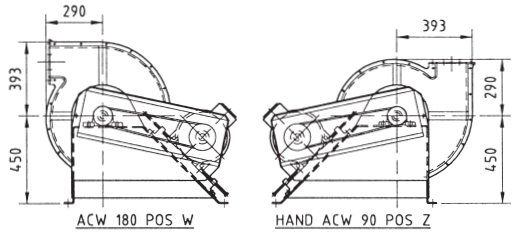


CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE



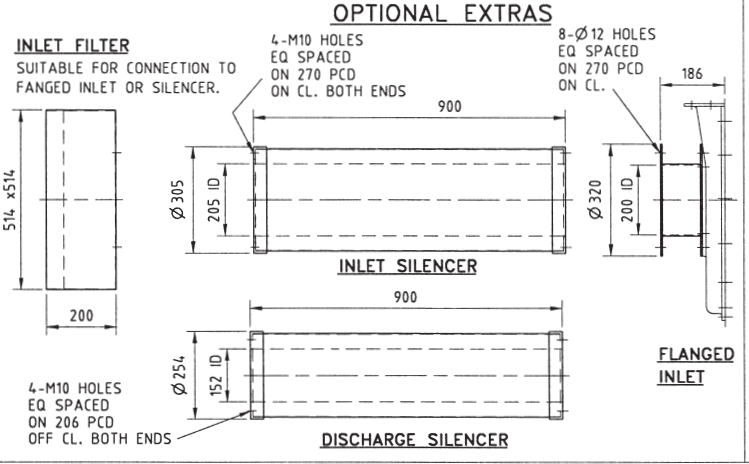
ARRANGEMENT 9 BELT DRIVE UNITS
R40 FAN WEIGHT = 160 KG

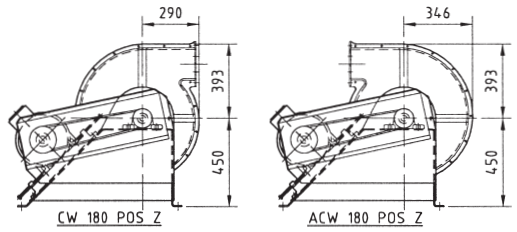




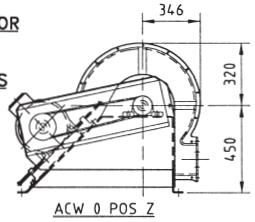
OPTIONAL EXTRAS

INLET FILTER
SUITABLE FOR CONNECTION TO
FANGED INLET OR SILENCER.





ALTERNATIVE HANDS & MOTOR
POSITIONS AVAILABLE
FOR ARR9 BELT DRIVE UNITS



N series
Dust Fans - Direct Driven

Features
Durable, simple and efficient.
Competitively priced
Strong and compact construction provides long trouble free performance under arduous conditions.
Every fan unit is thoroughly inspected and test run before despatching.
Components kept in stock to achieve quick delivery. Universal rotation - all the 8 angular positions, both clockwise or anti-clockwise can be obtained

Construction
Casing - heavy welded construction from plate steel. Side plates stiffened to prevent drumming.
Scroll designed to optimise fan pressure developed by impeller. Pedestal - top & sides fabricated from heavy mild steel plate

The impeller is cast in one piece, with self cleaning radial blades, 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 applications.

Optional Extras
Drain plug, inspection door, dampers, anti-vibration mounts, matching flanges, corrosive resistant coatings, stainless steel housing & impeller, anti-sparking construction.

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

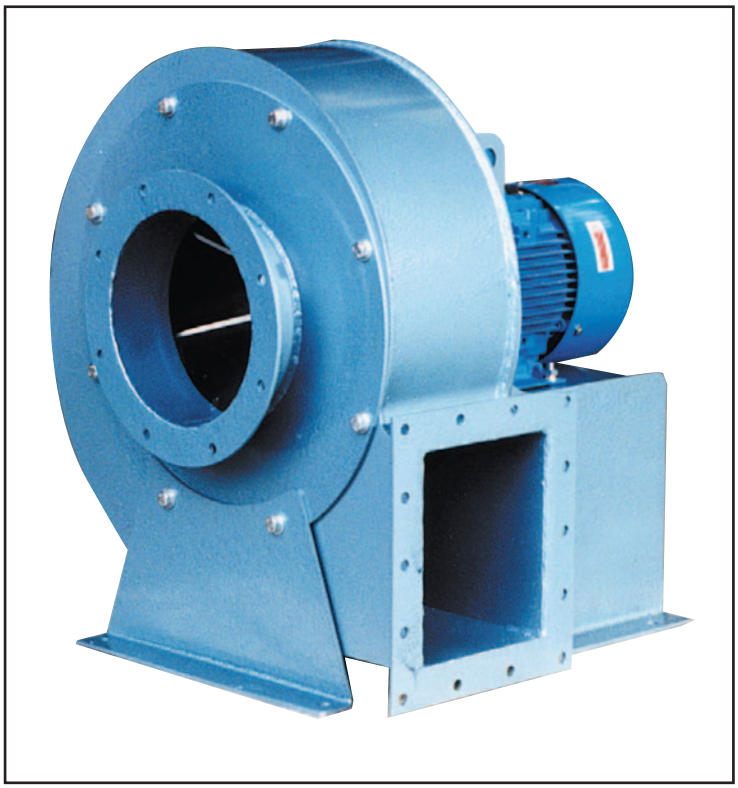
HOW TO ORDER

Step 1		Step 2		Step 3
N42	-	ACW90	-	

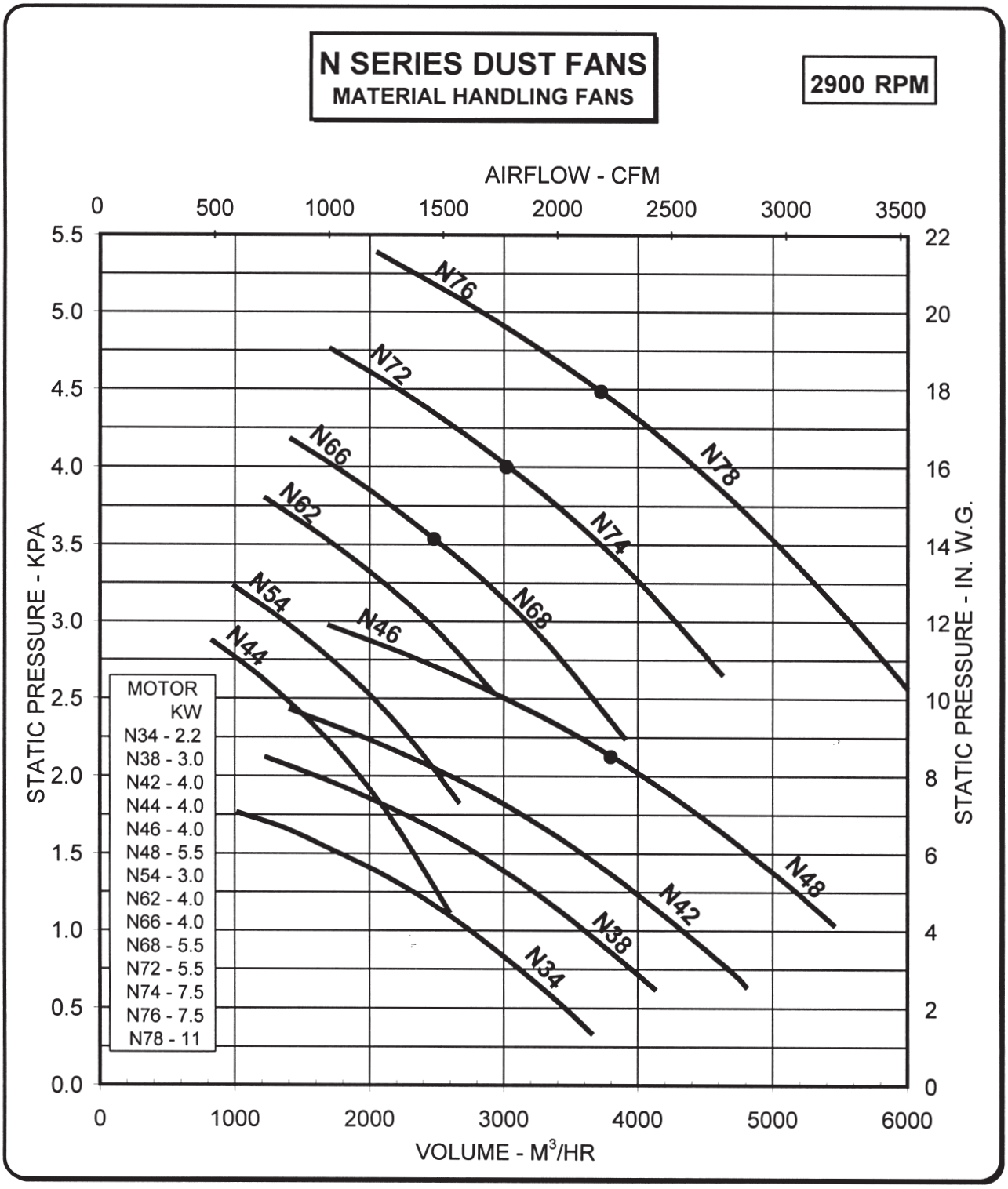
Step 1 Fan Model

Step 2 Fan Rotation & Discharge Position
Step 3 Special Requirement ie Heavy Duty S.G. Impeller, Accessories etc.

** All models are Direct Driven, Arr.4 with 3 Phase Motors*



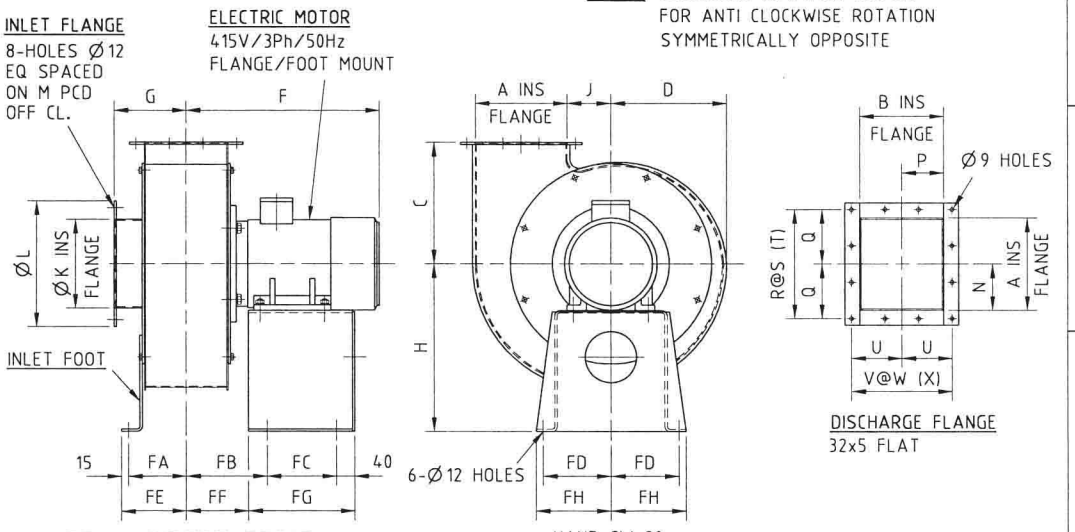
N48, Arr. 4 Direct Driven



Noise Level (Ducted One End) - dBA @ 1m										
	Airflow - m^3/hr									
Model	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500
N34	88	89	91	92	94	96				
N38		90	91	92	93	94	96			
N42		90	91	92	93	94	96	97		
N46/48			91	92	93	94	95	96	97	98
N44	89	90	92	94						
N54	89	90	92	93						
N62		91	92	93	94					
N66/68		93	93	94	94	95	96			
N72/74			95	95	96	96	96	97		
N76/78				97	98	98	98	98	98	98

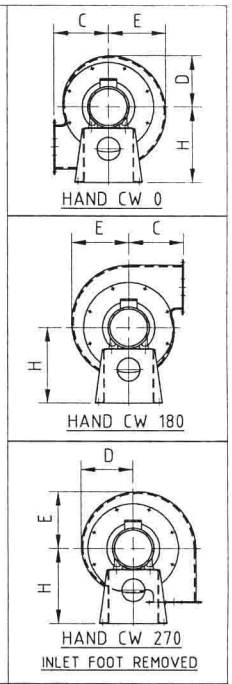
'N' SERIES FANS

NOTE CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

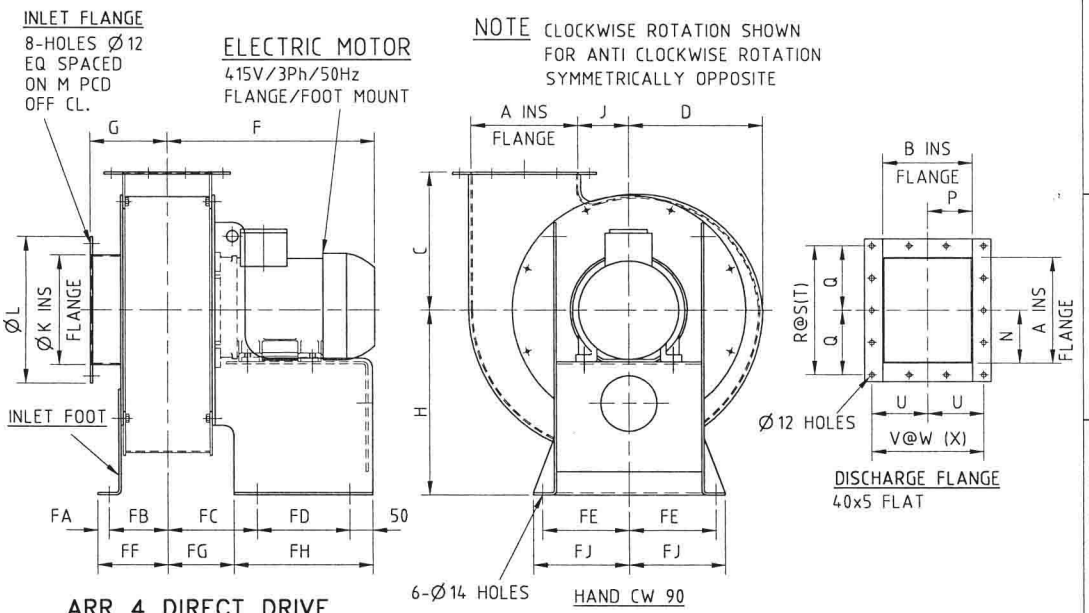


ARR 4 DIRECT DRIVE

HAND CW 90



	GENERAL									INLET FL.			DISCHARGE FLANGE								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	X	FA	FB	FC	FD	FE	FF	FG	FH	KW	RPM	FRAME	KG
N34	198	180	260	247	272	390	155	350	93	172	252	222	99	90	117	3	78	234	108	3	72	216	125	171	150	145	140	131	230	160	2.2	2850	D90L	76
N38	198	180	260	247	272	417	155	360	93	190	270	240	99	90	117	3	78	234	108	3	72	216	125	173	150	145	140	133	230	160	3.0	2850	D100L	84

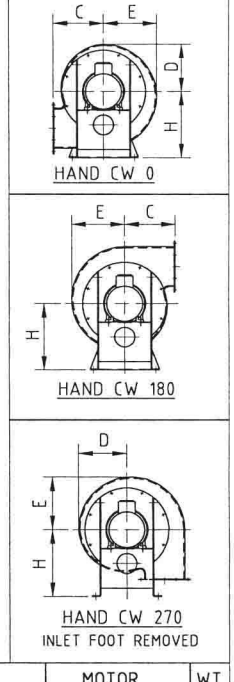


NOTE CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

ARR 4 DIRECT DRIVE

HAND CW 90

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION



	GENERAL									INLET FL.			DISCHARGE FLANGE									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	X	FA	FB	FC	FD	FE	FF	FG	FH	FJ	KW	RPM	FRAME	KG
N42	230	192	300	286	315	446	166	400	108	216	296	266	115	96	140	4	70	280	120	3	80	240	25	126	192	200	185	151	142	300	205	4.0	2850	D112M	123
N44	230	192	300	286	315	446	166	400	108	216	296	266	115	96	140	4	70	280	120	3	80	240	25	126	192	200	185	151	142	300	205	4.0	2850	D112M	124
N46	230	192	300	286	315	446	166	400	108	238	318	288	115	96	140	4	70	280	120	3	80	240	25	126	192	200	185	151	142	300	205	4.0	2850	D112M	126
N48	230	192	300	286	315	446	166	400	108	238	318	288	115	96	140	4	70	280	120	3	80	240	25	126	192	200	185	151	142	300	205	5.5	2850	D112M	126
N54	198	122	300	302	334	400	131	430	164	184	264	234	99	61	120	3	80	240	84	2	84	168	20	96	157	160	185	116	107	260	205	3.0	2850	D100L	112
N62	220	136	340	337	373	440	138	470	184	216	296	266	110	68	135	3	90	270	93	2	93	186	20	103	164	200	200	123	114	300	220	4.0	2900	D112M	132
N66	220	136	340	337	373	440	138	470	184	216	296	266	110	68	135	3	90	270	93	2	93	186	20	103	164	200	200	123	114	300	220	4.0	2900	D112M	137
N68	220	136	340	337	373	440	138	470	184	216	296	266	110	68	135	3	90	270	93	2	93	186	20	103	164	200	200	123	114	300	220	5.5	2900	D112M	137
N72	250	154	380	380	420	524	148	530	206	238	318	288	125	77	150	3	100	300	100	2	100	200	20	113	173	220	215	133	123	320	235	5.5	2900	D132S	187
N74	250	154	380	380	420	524	148	530	206	238	318	288	125	77	150	3	100	300	100	2	100	200	20	113	173	220	215	133	123	320	235	7.5	2910	D132S	187
N76	250	154	380	380	420	524	148	530	206	238	318	288	125	77	150	3	100	300	100	2	100	200	20	113	173	220	215	133	123	320	235	7.5	2910	D132S	189
N78	250	154	380	380	420	524	148	530	206	238	318	288	125	77	150	3	100	300	100	2	100	200	20	113	173	220	215	133	123	320	235	11.0	2910	D132M	196

H Series
Pressure Blowers - Direct Driven

Features
Durable, simple and efficient - designed for low volume, high pressure requirements.
Competitively priced.
The peak of the static pressure curve is generally quite broad, allowing a relatively wide range of air volume at small pressure changes. Strong construction provides long trouble free performance.
Every fan unit is thoroughly inspected and test run before despatching.
Components kept in stock to achieve quick delivery. Universal rotation - all the 8 angular positions, both clockwise or anti-clockwise can be obtained

Construction
Casing - heavy welded construction from plate steel. Side plates stiffened to prevent drumming.
Scroll designed to optimise fan pressure developed by impeller.
Pedestal - Top & sides fabricated from heavy mild steel plate.
The impeller is fabricated in steel, its rigid construction will ensure many years of trouble free service.

Optional Extras
Silencers, inlet filters, dampers, anti-vibration mounts, inlet elbows, matching flanges, corrosive resistant coatings, stainless steel housing & impeller, anti-sparking construction.

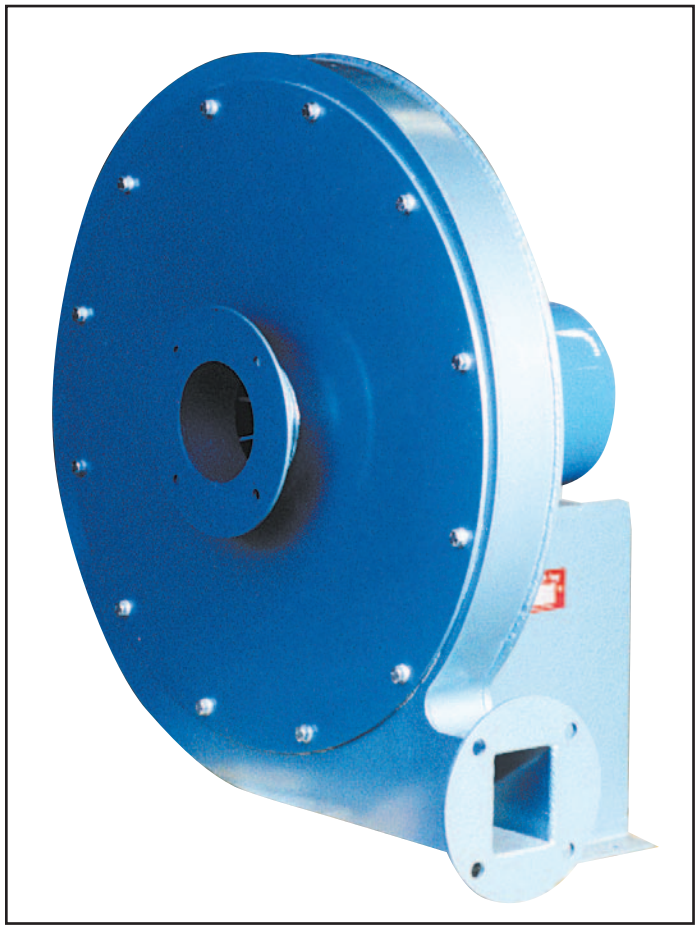
Applications
Pneumatic conveying, combustion air, product cooling, drying, aeration, fluidising, drying, suction, agitating, fume extraction, exhausting etc.

HOW TO ORDER

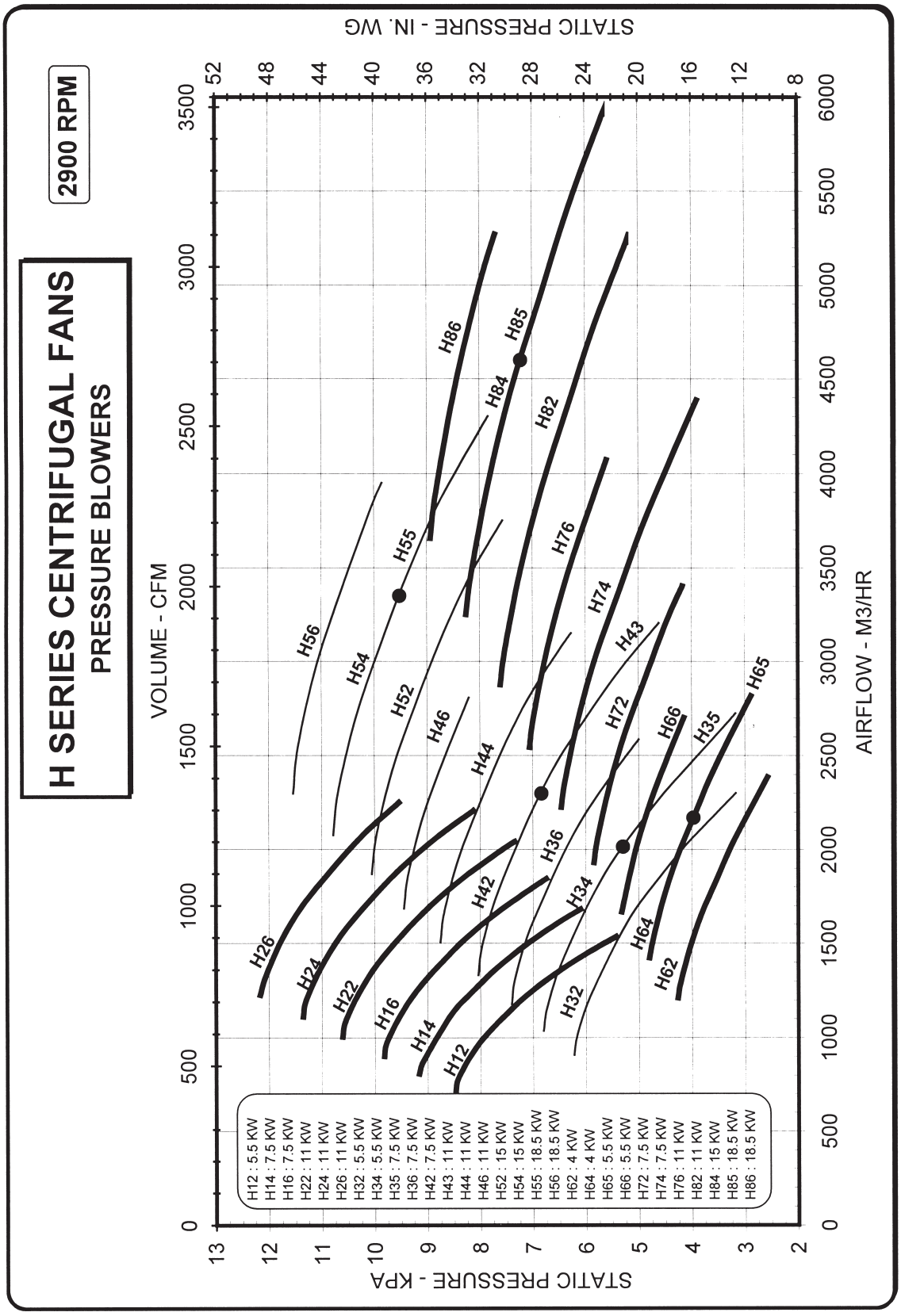
Step 1		Step 2
H62	-	CW180

Step 1 Fan Model
Step 2 Fan Rotation & Discharge Position

** All models are Direct Driven, Arr.4 with 3 Phase Motors*



H62, Arr. 4 Direct Driven



Noise Level Range (Ducted One End) - dBA @ 1m

Model	H12	H14	H16	H22	H24	H26	H32	H34/35	H36	H42/43	H44	H46
dBA range	99 - 100	100 - 101	101 - 102	102 - 103	104 - 105	105 - 106	96 - 98	97 - 99	98 - 100	100 - 102	101 - 103	102 - 104

Model	H52	H54/55	H56	H62	H64/65	H66	H72	H74	H76	H82	H84/85	H86
dBA range	103 - 105	105 - 107	106 - 108	94 - 95	95 - 96	97 - 98	99 - 100	100 - 101	102 - 103	103 - 104	104 - 105	106 - 107

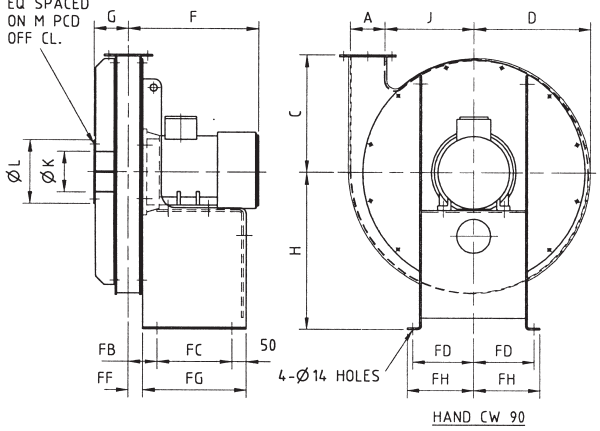
'H' SERIES FANS

ARR 4 DIRECT DRIVE

INLET FLANGE
8-HOLES Ø12
EQ SPACED
ON M PCD
OFF CL.

FIG 1

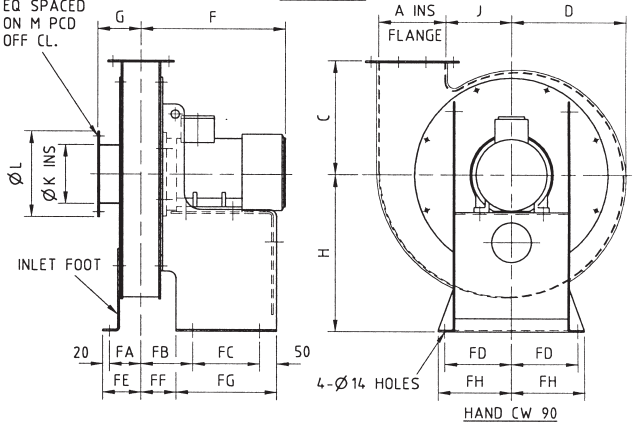
ELECTRIC MOTOR
415V/3Ph/50Hz
FLANGE/FOOT MOUNT



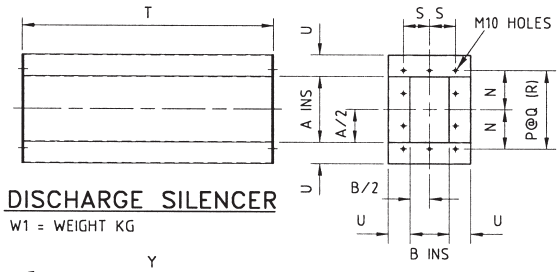
HAND CW 90

INLET FLANGE
8-HOLES Ø12
EQ SPACED
ON M PCD
OFF CL.

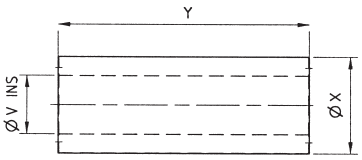
FIG 2



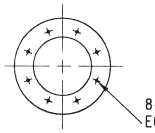
HAND CW 90

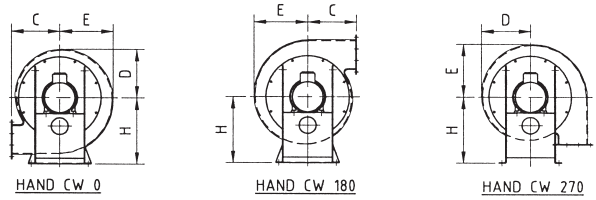


DISCHARGE SILENCER
W1 = WEIGHT KG

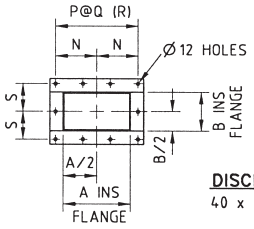


INLET SILENCER
W2 = WEIGHT KG





NOTE CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE



DISCHARGE FLANGE
40 x 5 FLAT

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

		GENERAL									INLET FL.			DISCH. FLANGE					SILENCER							FOUNDATION FOOTINGS								MOTOR			WT
SIZE	FIG	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	X	Y	W1	W2	FA	FB	FC	FD	FE	FF	FG	FH	KW	RPM	FRAME	KG
H12	1	124	90	410	408	424	453	120	550	317	142	222	192	86	2	86	172	68	900	103	156	366	900	30	39	-	101	260	215	-	51	360	235	5.5	2910	D132S	190
H14	1	124	90	410	408	424	453	120	550	317	142	222	192	86	2	86	172	68	900	103	156	366	900	30	39	-	101	260	215	-	51	360	235	7.5	2910	D132S	192
H16	1	124	90	410	408	424	453	120	550	317	142	222	192	86	2	86	172	68	900	103	156	366	900	30	39	-	101	260	215	-	51	360	235	7.5	2910	D132S	194
H22	1	138	98	450	454	470	496	124	550	348	158	238	208	93	2	93	186	72	900	103	156	366	900	31	39	-	105	260	215	-	55	360	235	11	2910	D132M	213
H24	1	138	98	450	454	470	496	124	550	348	158	238	208	93	2	93	186	72	1200	103	156	366	1200	39	60	-	105	260	215	-	55	360	235	11	2910	D132M	215
H26	1	138	98	450	454	470	496	124	550	348	158	238	208	93	2	93	186	72	1200	103	156	366	1200	39	60	-	105	260	215	-	55	360	235	11	2910	D132M	217
H32	2	148	92	400	396	416	498	164	590	288	158	238	208	98	2	98	196	70	900	78	156	366	900	26	39	124	185	260	240	144	135	360	260	5.5	2910	D132S	211
H34	2	148	92	400	396	416	498	164	590	288	158	238	208	98	2	98	196	70	900	78	156	366	900	26	39	124	185	260	240	144	135	360	260	5.5	2910	D132S	212
H35	2	148	92	400	396	416	498	164	590	288	158	238	208	98	2	98	196	70	900	78	156	366	900	26	39	124	185	260	240	144	135	360	260	7.5	2910	D132S	213
H36	2	148	92	400	396	416	498	164	590	288	158	238	208	98	2	98	196	70	900	103	156	366	900	31	39	124	185	260	240	144	135	360	260	7.5	2910	D132S	214
H42	1	166	102	440	446	468	498	126	550	324	176	256	226	107	2	107	214	74	1200	103	176	386	900	42	53	-	107	260	215	-	57	360	235	7.5	2910	D132S	192
H43	1	166	102	440	446	468	498	126	550	324	176	256	226	107	2	107	214	74	1200	103	176	386	900	42	53	-	107	260	215	-	57	360	235	11	2910	D132M	201
H44	1	166	102	440	446	468	498	126	550	324	176	256	226	107	2	107	214	74	1200	103	176	386	900	42	53	-	107	260	215	-	57	360	235	11	2910	D132M	202
H46	1	166	102	440	446	468	498	126	550	324	176	256	226	107	2	107	214	74	1200	103	176	386	1200	42	65	-	107	260	215	-	57	360	235	11	2910	D132M	203
H52	1	184	114	480	494	520	598	132	620	362	198	278	248	115	2	115	230	82	1200	103	200	410	1500	57	70	-	113	320	240	-	63	420	260	15	2920	D160M	283
H54	1	184	114	480	494	520	598	132	620	362	198	278	248	115	2	115	230	82	1500	103	200	410	1500	70	70	-	113	320	240	-	63	420	260	15	2920	D160M	284
H55	1	184	114	480	494	520	598	132	620	362	198	278	248	115	2	115	230	82	1500	103	200	410	1500	70	70	-	113	320	240	-	63	420	260	18.5	2920	D160L	312
H56	1	184	114	480	494	520	598	132	620	362	198	278	248	115	2	115	230	82	1500	103	200	410	1800	70	82	-	113	320	240	-	63	420	260	18.5	2920	D160L	313
H62	2	200	118	340	338	368	440	129	470	198	176	256	226	123	3	82	246	84	900	78	176	360	900	40	42	94	155	200	200	114	105	300	220	4.0	2900	D112M	128
H64	2	200	118	340	338	368	440	129	470	198	176	256	226	123	3	82	246	84	900	78	176	360	900	40	42	94	155	200	200	114	105	300	220	4.0	2900	D112M	129
H65	2	200	118	340	338	368	440	129	470	198	176	256	226	123	3	82	246	84	900	78	176	360	900	40	42	94	155	200	200	114	105	300	220	5.5	2910	D132S	153
H66	2	200	118	340	338	368	440	129	470	198	176	256	226	123	3	82	246	84	900	78	176	360	900	40	42	94	155	200	200	114	105	300	220	5.5	2910	D132S	154
H72	2	230	134	380	388	424	476	142	530	230	200	280	250	138	3	92	276	90	900	103	200	410	900	50	57	102	163	220	215	122	113	320	235	7.5	2910	D132S	161
H74	2	230	134	380	388	424	476	142	530	230	200	280	250	138	3	92	276	90	900	103	200	410	900	50	57	102	163	220	215	122	113	320	235	11	2920	D132M	186
H76	2	230	134	380	388	424	476	142	530	230	200	280	250	138	3	92	276	90	900	103	200	410	900	50	57	102	163	220	215	122	113	320	235	11	2920	D132M	187
H82	2	260	152	440	438	478	616	151	590	260	226	306	276	153	3	102	306	100	1200	103	200	410	1200	70	70	124	185	280	240	144	135	380	260	15	2920	D160M	272
H84	2	260	152	440	438	478	616	151	590	260	226	306	276	153	3	102	306	100	1500	103	200	410	1200	84	70	124	185	280	240	144	135	380	260	15	2920	D160M	273
H85	2	260	152	440	438	478	616	151	590	260	226	306	276	153	3	102	306	100	1500	103	200	410	1200	84	70	124	185	280	240	144	135	380	260	18.5	2920	D160L	301
H86	2	260	152	440	438	478	616	151	590	260	226	306	276	153	3	102	306	100	1500	103	200	410	1500	84	82	124	185	280	240	144	135	380	260	18.5	2920	D160L	302

Centrifugal Fans, Non-Overloading, Direct Driven
J, K and L Series with Laminar Blades
JA and KA Series with Aerofoil Blades

Features

The combination of scientifically designed aerofoil or flat laminar blades with highly desirable non-overloading power characteristics.
Designed for stable, efficient and quiet operation over a wide range of duties
Models J, K, and L Series - Backward inclined laminar impeller blades
Models JA, and KA Series - Backward curved aerofoil impeller blades
Components liberally sized to ensure long trouble free life.
Universal housing - fan outlet can be oriented in any standard direction. The direction of rotation can also be changed by reversing the housing and substituting an impeller of opposite handing.
Short delivery time - fan components held in stock

Construction

Casing - Heavy welded construction from plate steel. Side plates stiffened to prevent drumming. Scroll designed to optimise fan pressure developed by impeller.
Impeller - Ruggedly built, welded mild steel construction, dynamically balanced to International Standard ISO 1940, to ensure smooth running without vibration.
Pedestal - Top & sides fabricated from heavy mild steel plate.

Optional Extras

Drain plug, inspection door, silencer, filter, guards, damper, anti-vibration mounts, matching flanges, corrosive resistant coatings, stainless steel housing & impeller, anti-sparking construction.

Applications

General air handling, pneumatic conveying, pollution control, ventilation, drying, cooling, exhausting, extraction of fumes and very light dust, chemical processing, combustion, food processing etc. The aerofoil bladed models JA and KA series are only suitable for clean air applications. Maximum operating temperature is 60˚C.

HOW TO ORDER

Step 1		Step 2		Step 3		Step 4
J45	-	Arr.4	-	CW180	-	

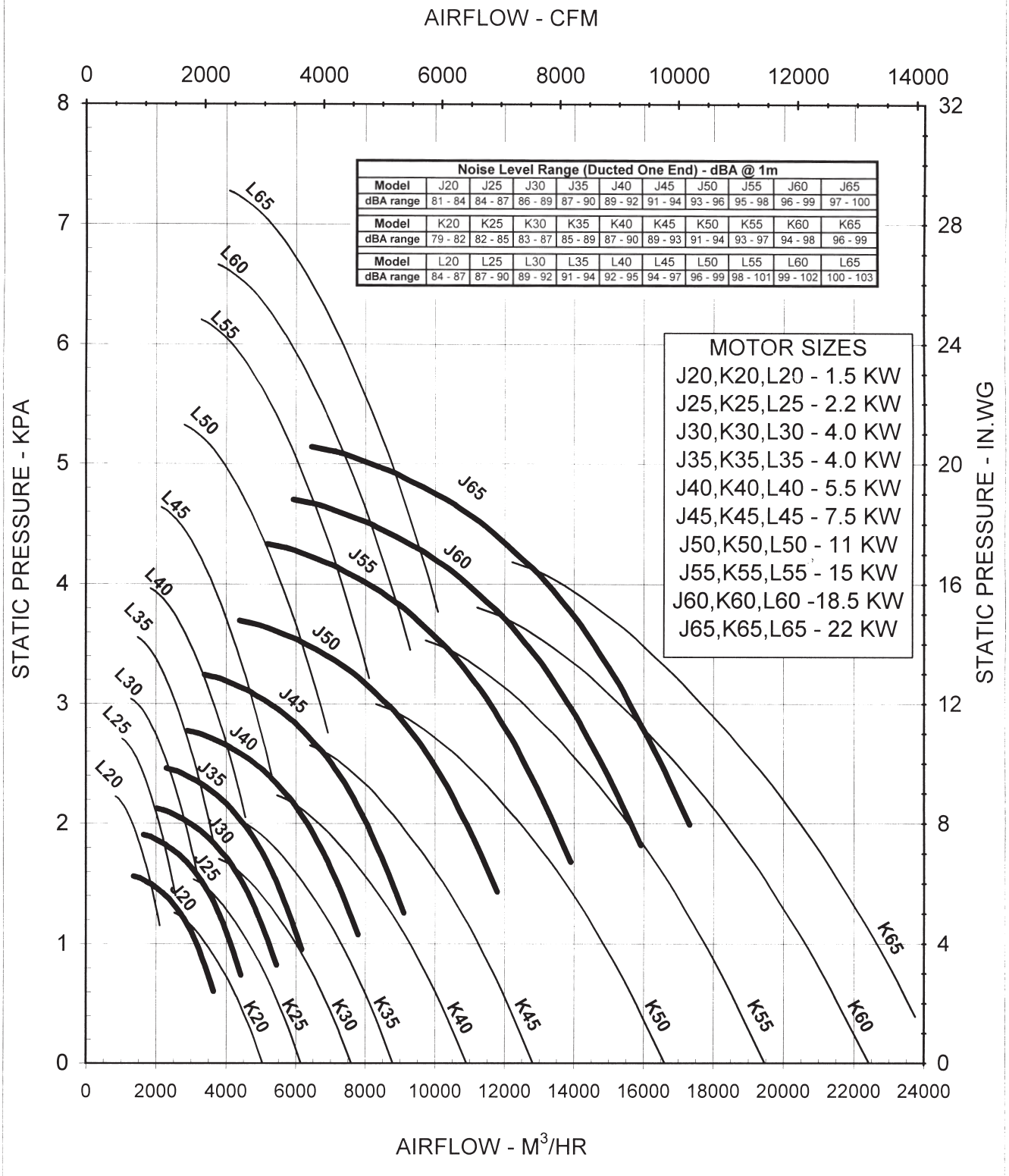
Step 1 Fan Model
Step 2 Drive Arrangement : Arr.4 ; Arr.4F
Step 3 Fan Rotation & Discharge Position
Step 4 Special Requirements ie 1440 RPM, 1 Phase, Accessories etc.

** All models are Direct Driven, with 3 Phase Motors*

J40, Arr. 4 Direct Driven

J,K,L SERIES CENTRIFUGAL FANS

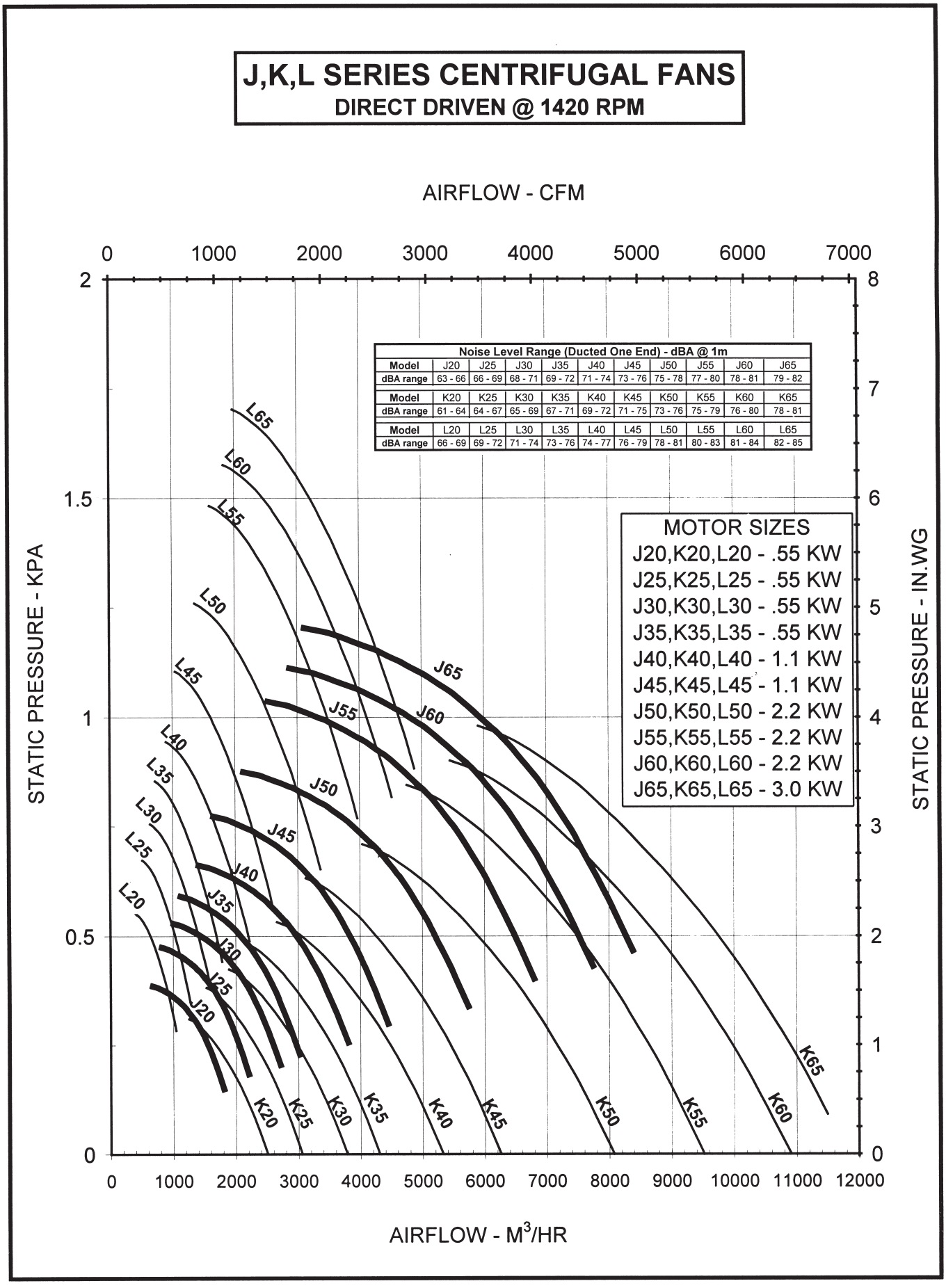
DIRECT DRIVEN @ 2900 RPM



Noise Level Range (Ducted One End) - dBA @ 1m										
Model	J20	J25	J30	J35	J40	J45	J50	J55	J60	J65
dBA range	81 - 84	84 - 87	86 - 89	87 - 90	89 - 92	91 - 94	93 - 96	95 - 98	96 - 99	97 - 100
Model	K20	K25	K30	K35	K40	K45	K50	K55	K60	K65
dBA range	79 - 82	82 - 85	83 - 87	85 - 89	87 - 90	89 - 93	91 - 94	93 - 97	94 - 98	96 - 99
Model	L20	L25	L30	L35	L40	L45	L50	L55	L60	L65
dBA range	84 - 87	87 - 90	89 - 92	91 - 94	92 - 95	94 - 97	96 - 99	98 - 101	99 - 102	100 - 103

MOTOR SIZES
J20,K20,L20 - 1.5 KW
J25,K25,L25 - 2.2 KW
J30,K30,L30 - 4.0 KW
J35,K35,L35 - 4.0 KW
J40,K40,L40 - 5.5 KW
J45,K45,L45 - 7.5 KW
J50,K50,L50 - 11 KW
J55,K55,L55 - 15 KW
J60,K60,L60 -18.5 KW
J65,K65,L65 - 22 KW

J,K,L SERIES CENTRIFUGAL FANS
DIRECT DRIVEN @ 1420 RPM

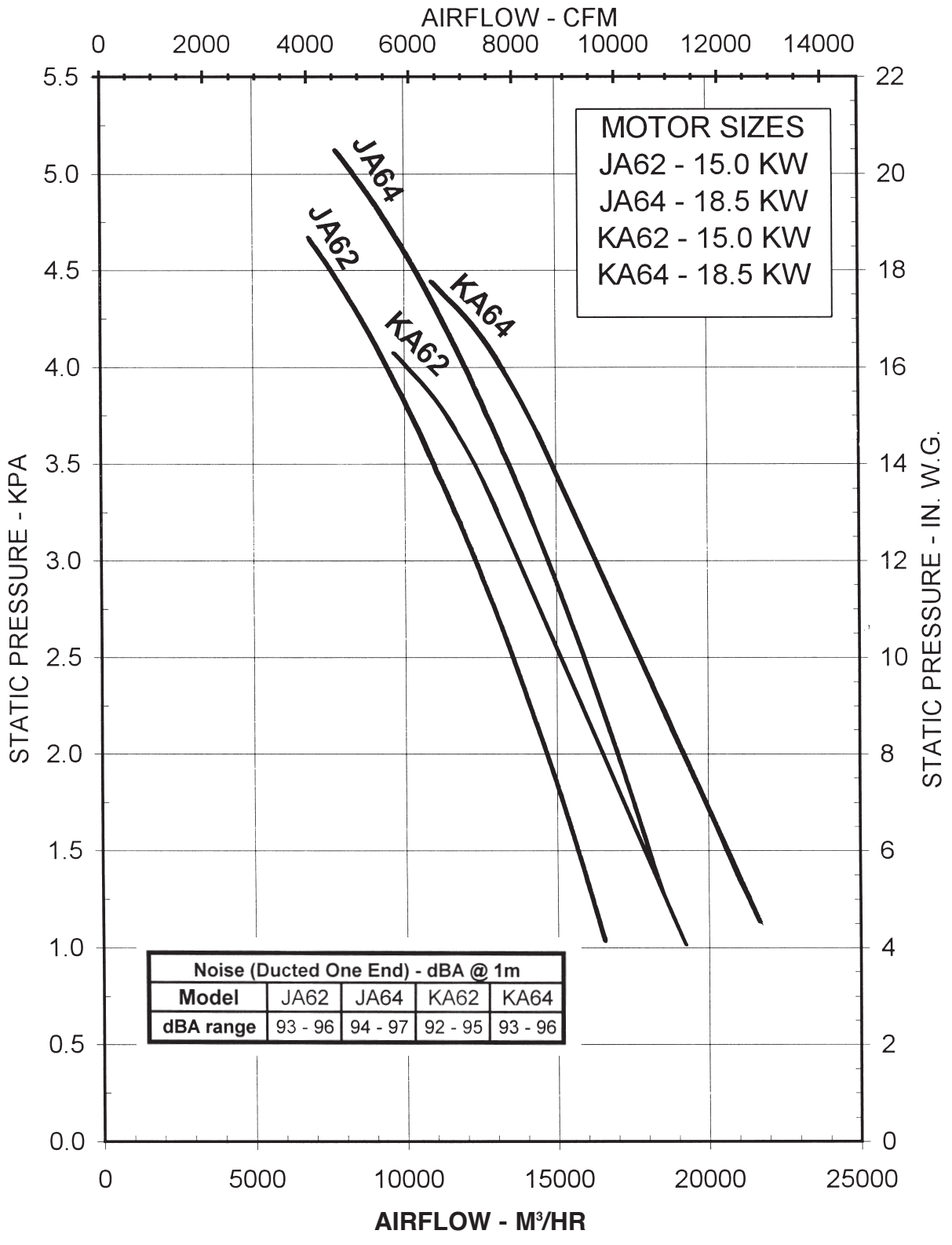


Noise Level Range (Ducted One End) - dBA @ 1m										
Model	J20	J25	J30	J35	J40	J45	J50	J55	J60	J65
dBA range	63 - 66	66 - 69	68 - 71	69 - 72	71 - 74	73 - 76	75 - 78	77 - 80	78 - 81	79 - 82
Model	K20	K25	K30	K35	K40	K45	K50	K55	K60	K65
dBA range	61 - 64	64 - 67	65 - 69	67 - 71	69 - 72	71 - 75	73 - 76	75 - 79	76 - 80	78 - 81
Model	L20	L25	L30	L35	L40	L45	L50	L55	L60	L65
dBA range	66 - 69	69 - 72	71 - 74	73 - 76	74 - 77	76 - 79	78 - 81	80 - 83	81 - 84	82 - 85

JA & KA SERIES FANS

AEROFOIL BLADED CENTRIFUGAL

DIRECT DRIVEN @ 2900 RPM



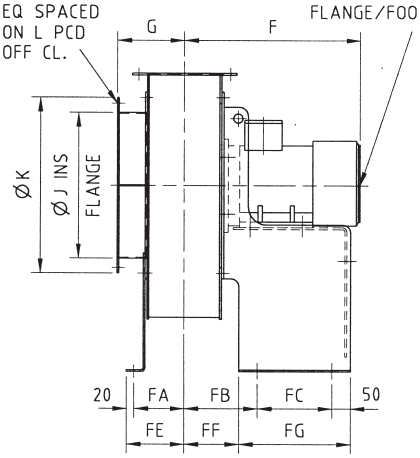
Noise (Ducted One End) - dBA @ 1m				
Model	JA62	JA64	KA62	KA64
dBA range	93 - 96	94 - 97	92 - 95	93 - 96

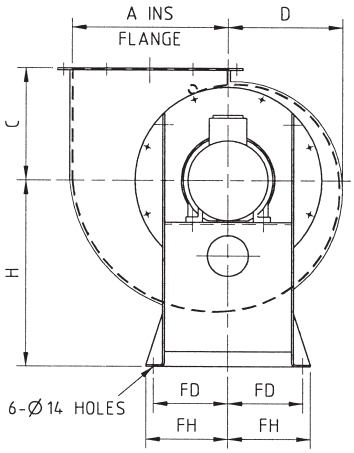
'J' SERIES FANS

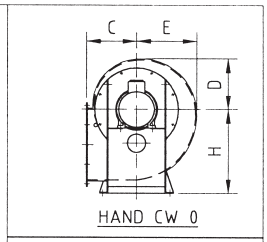
NOTE CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

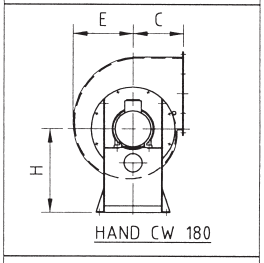
INLET FLANGE
8-HOLES Ø12
EQ SPACED
ON L PCD
OFF CL.

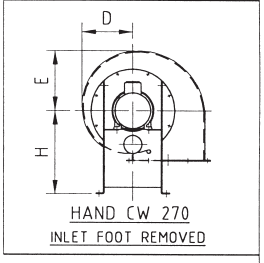
ELECTRIC MOTOR
415V/3Ph/50Hz
FLANGE/FOOT MOUNT



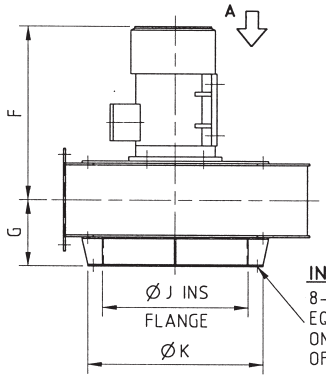




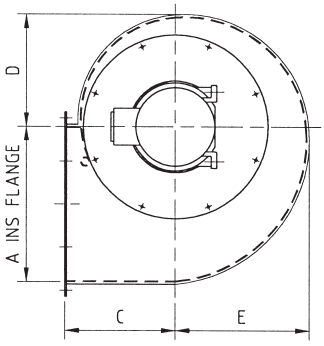




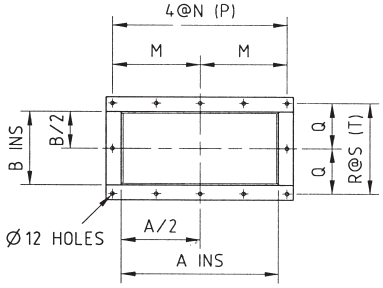
ARRANGEMENT 4 DIRECT DRIVE



INLET FLANGE
8-HOLES Ø12
EQ SPACED
ON L PCD
OFF CL.

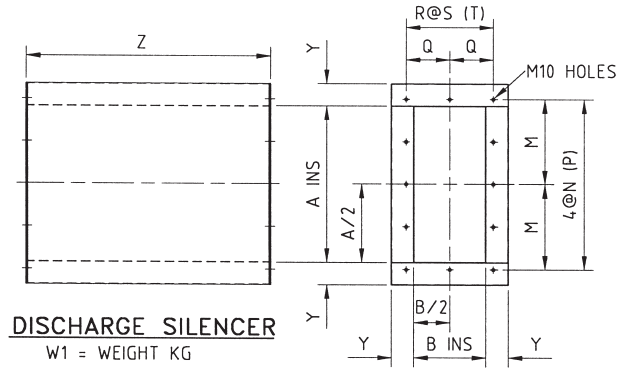


VIEW A

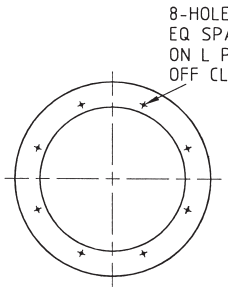


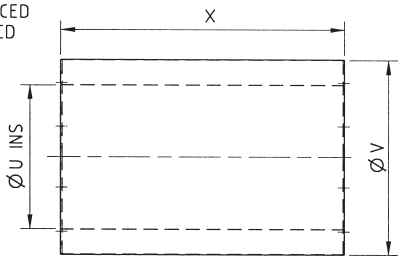
DISCHARGE FLANGE
40x5 FLAT

ARRANGEMENT 4F DIRECT DRIVE



DISCHARGE SILENCER
W1 = WEIGHT KG



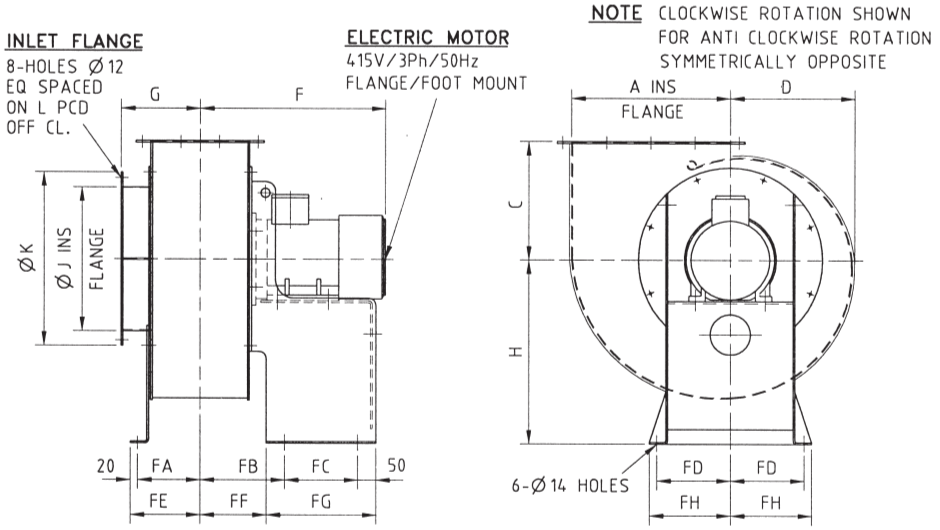


INLET SILENCER
W2 = WEIGHT KG

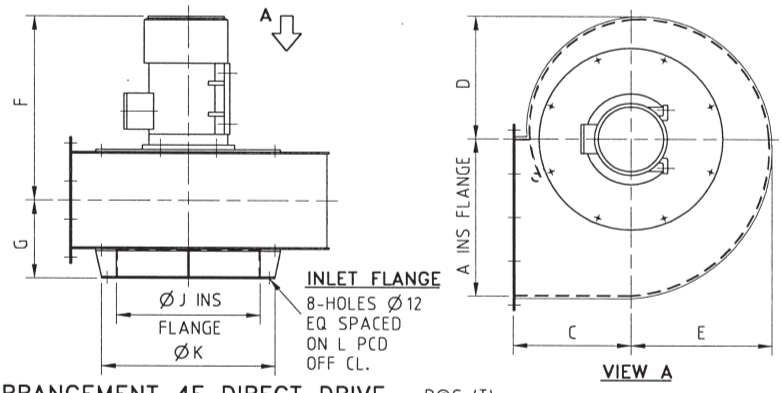
DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

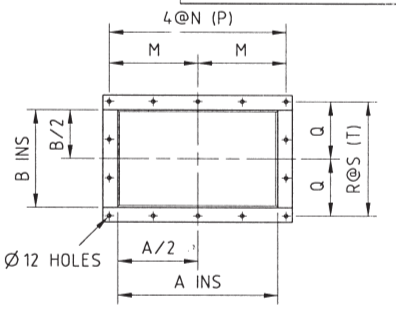
	GENERAL								INLET FL.			DISCHARGE FLANGE							SILENCER							FOUNDATION FOOTINGS								MOTOR			WT
SIZE	A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W1	W2	X	Y	Z	FA	FB	FC	FD	FE	FF	FG	FH	KW	RPM	FRAME	KG
J20	378	180	275	272	320	390	170	440	350	430	400	212	106	424	113	2	113	226	-	-	-	-	-	-	-	125	176	180	175	145	136	260	195	1.5	2850	D90S	95
J25	378	180	275	272	320	390	170	440	350	430	400	212	106	424	113	2	113	226	-	-	-	-	-	-	-	125	176	180	175	145	136	260	195	2.2	2850	D90L	98
J30 J35	422	200	300	305	360	472	180	500	390	470	440	234	117	468	123	2	123	246	384	540	46	35	600	78	600	135	196	200	200	155	146	300	220	4.0	2850	D112M	132
J40	478	228	350	342	406	555	209	550	442	522	492	262	131	524	137	2	137	274	436	592	50	39	600	78	600	149	210	240	215	169	160	340	235	5.5	2850	D132S	180
J45	478	228	350	342	406	555	209	550	442	522	492	262	131	524	137	2	137	274	436	592	50	39	600	78	600	149	210	240	215	169	160	340	235	7.5	2850	D132S	180
J50	550	260	400	396	466	570	225	620	506	586	556	298	149	596	153	2	153	306	500	706	89	68	900	103	900	165	226	260	240	185	176	360	260	11.0	2900	D132M	226
J55	550	260	400	396	466	620	225	620	506	586	556	298	149	596	153	2	153	306	500	706	89	86	1200	103	900	165	226	260	240	185	176	360	260	15.0	2900	D160M	268
J60	590	278	420	424	500	680	234	650	542	622	592	318	159	636	162	3	108	324	536	742	119	107	1500	103	1200	174	235	300	240	194	185	400	260	18.5	2900	D160L	304
JA62	590	278	420	424	500	680	234	650	542	622	592	318	159	636	162	3	108	324	536	742	94	91	1200	103	900	174	235	300	240	194	185	400	260	15.0	2900	D160M	286
JA64	590	278	420	424	500	680	234	650	542	622	592	318	159	636	162	3	108	324	536	742	119	91	1200	103	1200	174	235	300	240	194	185	400	260	18.5	2900	D160L	314
J65	590	278	420	424	500	727	234	650	542	622	592	318	159	636	162	3	108	324	536	742	144	128	1800	103	1500	174	235	300	240	194	185	400	260	22.0	2900	D180M	343

'K' SERIES FANS

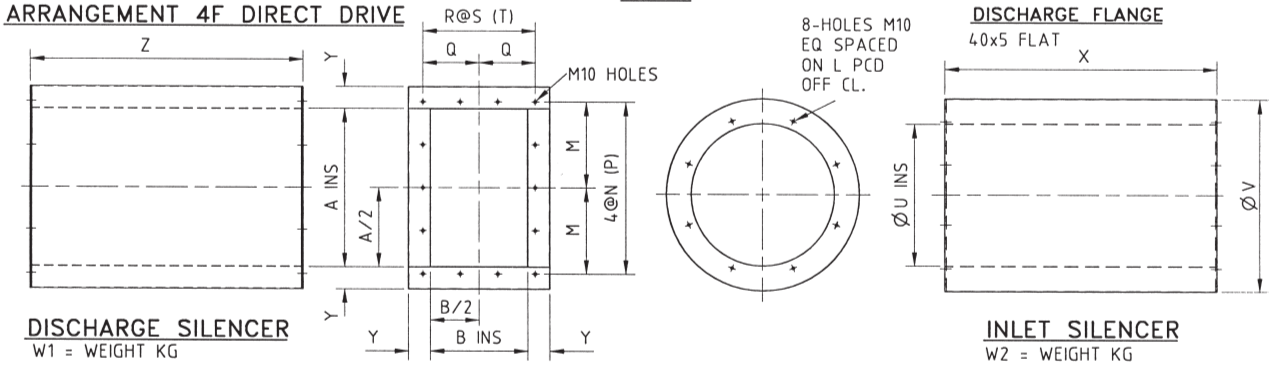


ARRANGEMENT 4 DIRECT DRIVE





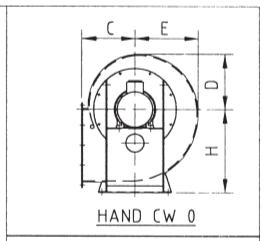
ARRANGEMENT 4F DIRECT DRIVE



DISCHARGE FLANGE
40x5 FLAT

DISCHARGE SILENCER
W1 = WEIGHT KG

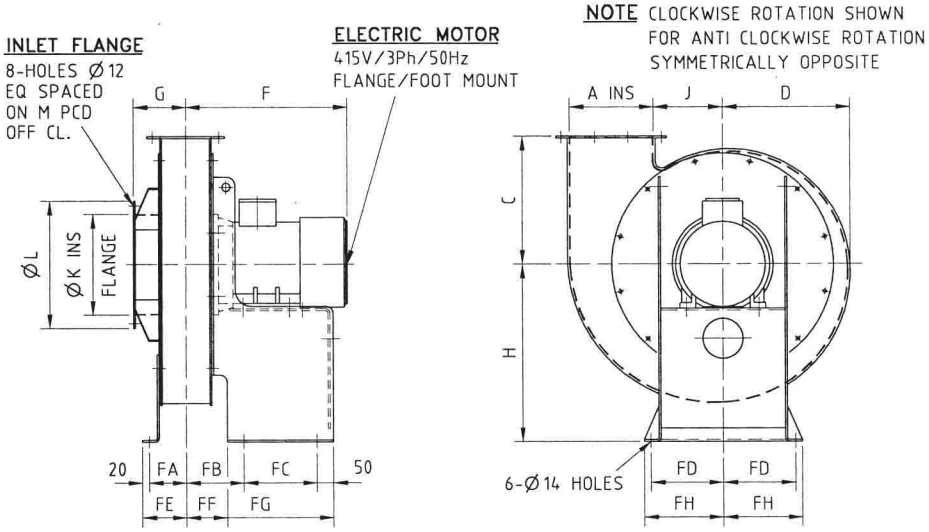
INLET SILENCER
W2 = WEIGHT KG



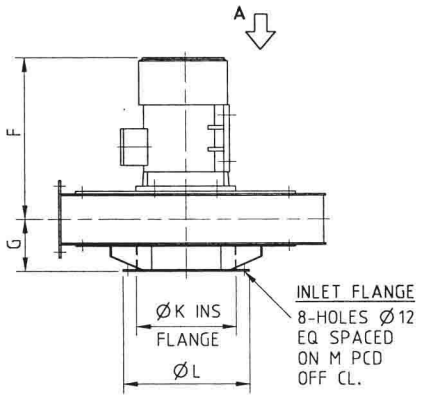
DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

	GENERAL								INLET FL.			DISCHARGE FLANGE							SILENCER							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	W1	W2	X	Y	Z	FA	FB	FC	FD	FE	FF	FG	FH	KW	RPM	FRAME	KG
K20	388	240	290	303	345	400	200	440	350	430	400	218	109	436	144	3	96	288	-	-	-	-	-	-	-	155	206	180	175	175	166	260	195	1.5	2850	D90S	106
K25	388	240	290	303	345	420	200	440	350	430	400	218	109	436	144	3	96	288	-	-	-	-	-	-	-	155	206	180	175	175	166	260	195	2.2	2850	D90L	109
K30	432	268	320	336	384	506	214	500	390	470	440	240	120	480	159	3	106	318	-	-	-	-	-	-	-	169	230	200	200	189	180	300	220	4.0	2850	D112M	150
K35	432	268	320	336	384	506	214	500	390	470	440	240	120	480	159	3	106	318	384	540	50	35	600	78	600	169	230	200	200	189	180	300	220	4.0	2850	D112M	150
K40	490	304	360	380	434	593	247	550	442	522	492	268	134	536	177	3	118	354	436	592	55	39	600	78	600	187	248	240	215	207	198	340	235	5.5	2850	D132S	200
K45	490	304	360	380	434	593	247	550	442	522	492	268	134	536	177	3	118	354	436	592	64	39	600	103	600	187	248	240	215	207	198	340	235	7.5	2850	D132S	200
K50	562	350	410	437	498	615	270	620	506	586	556	304	152	608	198	3	132	396	500	706	97	68	900	103	900	210	271	260	240	230	221	360	260	11.0	2900	D132M	240
K55	562	350	410	437	498	665	270	620	506	586	556	304	152	608	198	3	132	396	500	706	124	86	1200	103	1200	210	271	260	240	230	221	360	260	15.0	2900	D160M	282
K60	604	374	440	468	534	728	282	650	542	622	592	326	163	652	210	3	140	420	536	742	158	110	1500	103	1500	222	283	300	240	242	233	400	260	18.5	2900	D160L	324
KA62	604	374	440	468	534	682	282	650	542	622	592	326	163	652	210	3	140	420	536	742	130	90	1200	103	1200	222	283	300	240	242	233	400	260	15.0	2900	D160M	304
KA64	604	374	440	468	534	728	282	650	542	622	592	326	163	652	210	3	140	420	536	742	130	90	1200	103	1200	222	283	300	240	242	233	400	260	18.5	2900	D160L	332
K65	604	374	440	468	534	775	282	650	542	622	592	326	163	652	210	3	140	420	536	742	186	128	1800	103	1800	222	283	300	240	242	233	400	260	22.0	2900	D180M	364

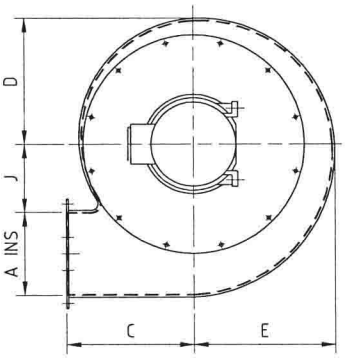
'L' SERIES FANS



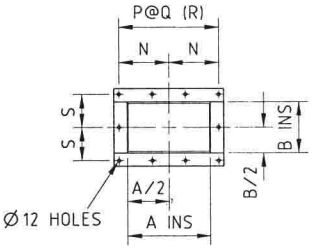
ARRANGEMENT 4 DIRECT DRIVE



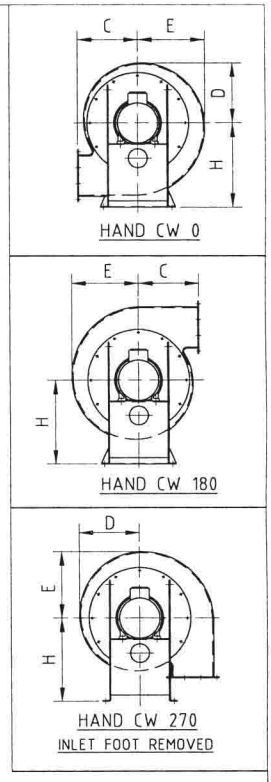
ARRANGEMENT 4F DIRECT DRIVE

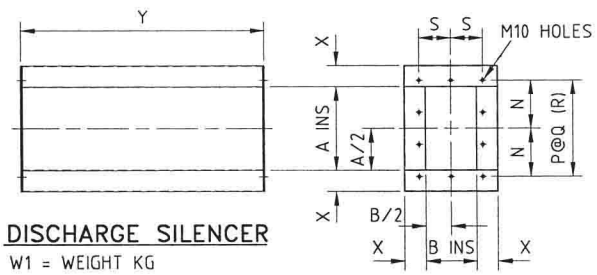


VIEW A

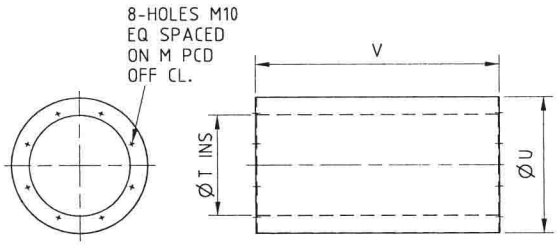


DISCHARGE FLANGE
40x5 FLAT





DISCHARGE SILENCER
W1 = WEIGHT KG



INLET SILENCER
W2 = WEIGHT KG

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

	GENERAL									INLET FL.			DISCHARGE FL.					SILENCER							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	W1	W2	X	Y	FA	FB	FC	FD	FE	FF	FG	FH	KW	RPM	FRAME	KG
L20	198	122	300	303	335	340	141	420	164	238	318	288	122	2	122	244	84	-	-	-	-	-	-	-	96	147	180	175	116	107	260	195	1.5	2850	D90S	90
L25	198	122	300	303	335	360	141	420	164	238	318	288	122	2	122	244	84	244	400	600	22	25	78	600	96	147	180	175	116	107	260	195	2.2	2850	D90L	93
L30 L35	220	136	340	337	373	440	148	470	184	266	346	316	135	3	90	270	93	270	426	600	24	27	78	600	103	164	200	200	123	114	300	220	4.0	2850	D112M	110
L40	250	154	380	380	420	486	157	530	206	300	380	350	150	3	100	300	100	300	456	600	26	29	78	600	113	173	220	215	132	123	320	235	5.5	2850	D132S	185
L45	250	154	380	380	420	486	157	530	206	300	380	350	150	3	100	300	100	300	506	600	32	34	103	600	113	173	220	215	132	123	320	235	7.5	2850	D132S	185
L50	286	178	440	435	483	530	184	590	238	344	424	394	168	3	112	336	114	338	544	900	47	51	103	900	124	185	260	240	144	135	360	260	11.0	2900	D132M	222
L55	286	178	440	435	483	580	184	590	238	344	424	394	168	3	112	336	114	338	544	1200	43	63	103	900	124	185	260	240	144	135	360	260	15.0	2900	D160M	263
L60	308	190	470	467	519	637	190	650	256	368	448	418	177	3	118	354	118	354	560	1200	62	83	103	1200	130	191	300	230	150	101	440	250	18.5	2900	D160L	314
L65	308	190	470	467	519	680	190	650	256	368	448	418	177	3	118	354	118	354	560	1500	62	100	103	1200	130	191	300	230	150	101	440	250	22.0	2900	D180M	352

AF Series
Axial Flow Fans

The Aerotech range of Axial Flow Fans is designed to meet the needs of a wide variety of industrial applications, combining strengths and long life with competitive cost.

Fan Diameter (mm)	300	380	480	610	760	965	1220	1525
Max. Speed (rpm)	2900	2900	2900	2900	1440	1440	1440	960
Max. Airflow (m^3/hr)	4300	10500	21500	43000	43000	79000	151000	187000
Max. S.Pressure (kpa)	0.2	0.5	0.75	1.2	0.5	0.6	1.2	0.75

STANDARD RANGE
Fan components for sizes 300, 380, 480, 610 and 760mm are held in stock to achieve short delivery time. The standard range models are fitted with glass reinforced polypropylene impellers and are direct driven. Please refer to performance curves for these fans on next page.

Impellers: These high efficiency, non-corrosive impellers are injection moulded, pressure die cast or gravity cast from a range of materials including aluminium, glass reinforced polypropylene (GRP) or glass reinforced nylon (GRN). Impellers have a safe operating temperatures of 160˚C for aluminium, 100˚C for GRN and 65˚C for GRP. The hub comes with a unique taper lock bush to ensure positive shaft locking.
Adjustable Pitch: Impellers have adjustable blade angles from 4˚ through to 40˚C. It is pre-set in the factory, to perform precisely to the customers requirements and allows the user to alter the blade pitch angle to match any change in conditions after installation, within the load limits of the motor.
Casing : Standard casings are of mild steel construction with hot dip galvanised finish. An external terminal box is provided for easy connection to wiring circuit. The casing has a drilled end flange at both ends.
Corrosive Atmosphere: Impellers and casings can also be fabricated in stainless steel or mild steel with special paint finish.
Motors: The motor is mounted on a platform inside the casing permitting temperature rise of 65˚C. Single phase,and flameproof motors are available on request.
Balance: All fans are electronically balanced and are completely free of vibration. This factor is essential for smooth economical running and assists in the reduction of noise.
Sound Level: Low noise level is achieved by the superior aerofoil profile of the blades.
Contra-Rotating And Multi-Stage Fans: Contra-rotating fans can be supplied as two tube axial fans bolted together.
External Motor Drive (Belt Drive) Fans: The impeller is belt-driven by a motor externally mounted on the side of the casing. This allows the motor to be completely isolated from the air stream and is suited for hazardous conditions.
Optional Extras: Matching flanges, mounting feet, inlet and outlet guards, canvas connectors, inspection doors, inlet and outlet cones, silencers.
Applications: Air conditioning, refrigeration, fume cupboards, cooling towers, automotive industry, poultry industry, timber industry, drying, mine ventilation, spray booths etc.

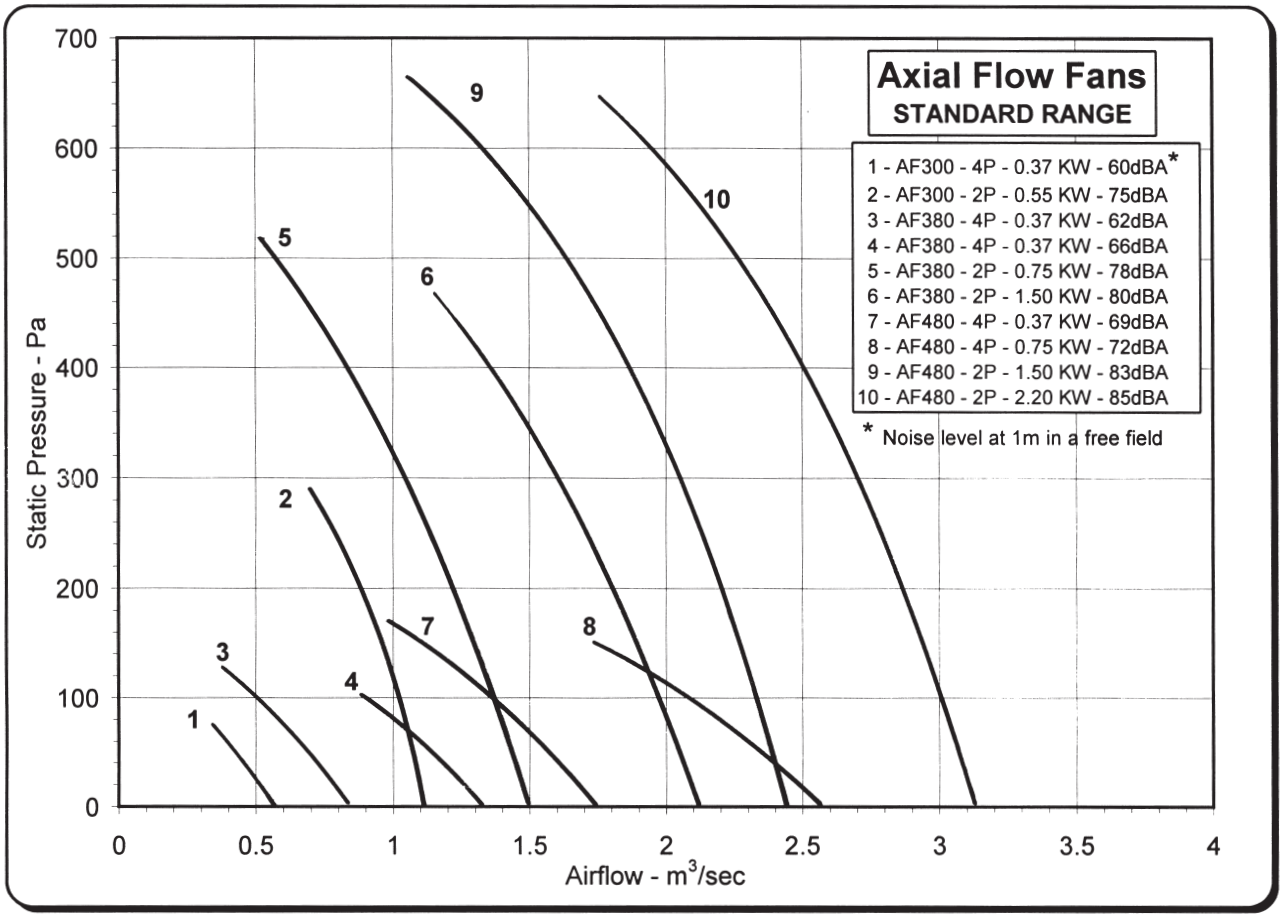

Direct Driven

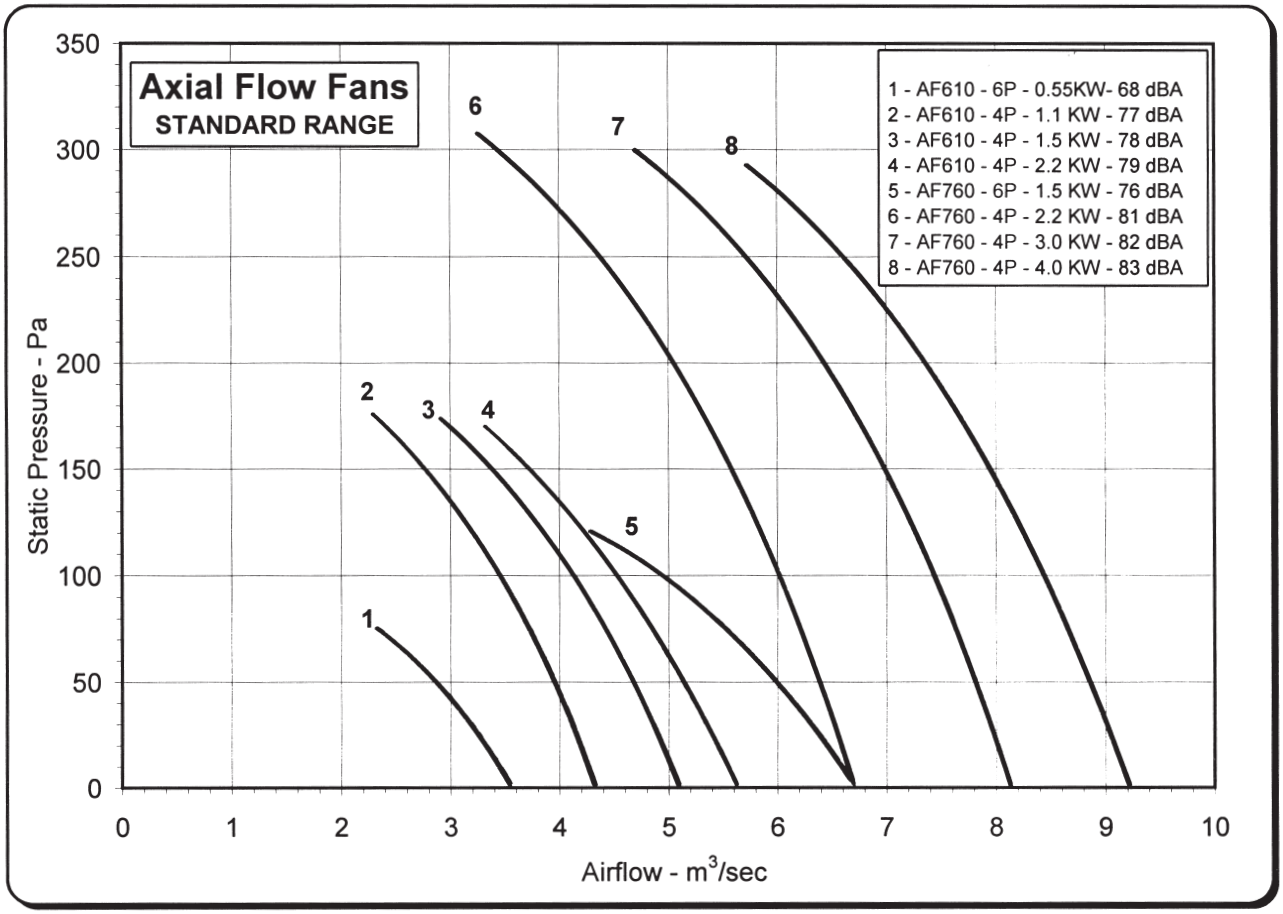
HOW TO ORDER (For Standard Range)

Step 1		Step 2		Step 3		Step 4		Step 5
AF480	-	4P	-	0.75kW	-	3 Ph	-	

Step 1 Fan Model/Size
Step 2 Fan Speed, No. of Poles
Step 3 Motor Power
Step 4 Motor Phase : 1Ph or 3 Ph
Step 5 Special Requirement ie Aluminium Impeller, Anti-sparking motor

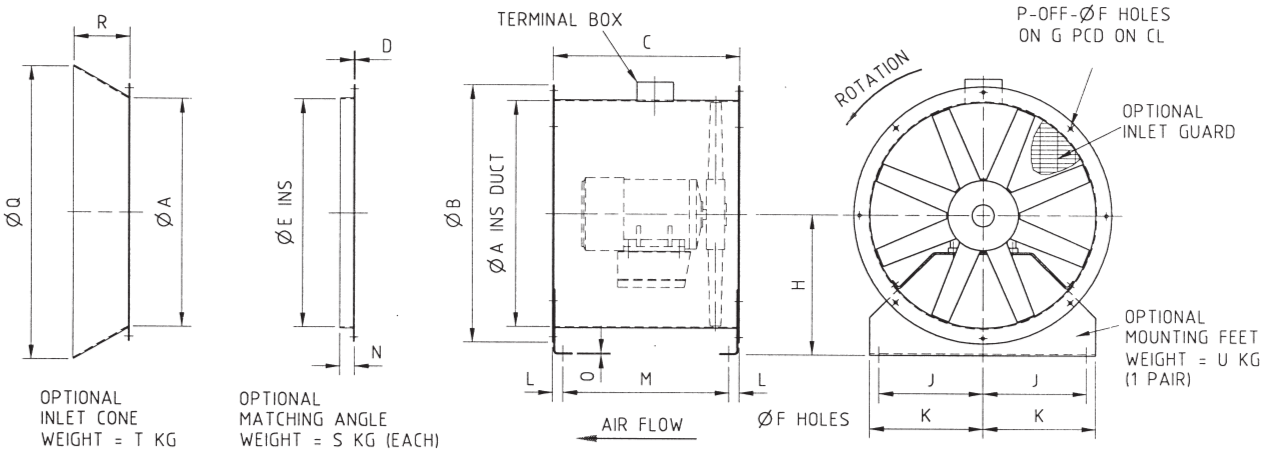

Belt Driven





1000 pa = 4.0 in.wg **1m³/sec = 1000 l/s = 2118 cfm**

'AF' SERIES
AXIAL FLOW FANS



OPTIONAL
INLET CONE
WEIGHT = T KG

OPTIONAL
MATCHING ANGLE
WEIGHT = S KG (EACH)

FLANGE HOLES DRILLED TO MATCH
FAN (ARR4 OR ARR 2) FLANGE DRILLING

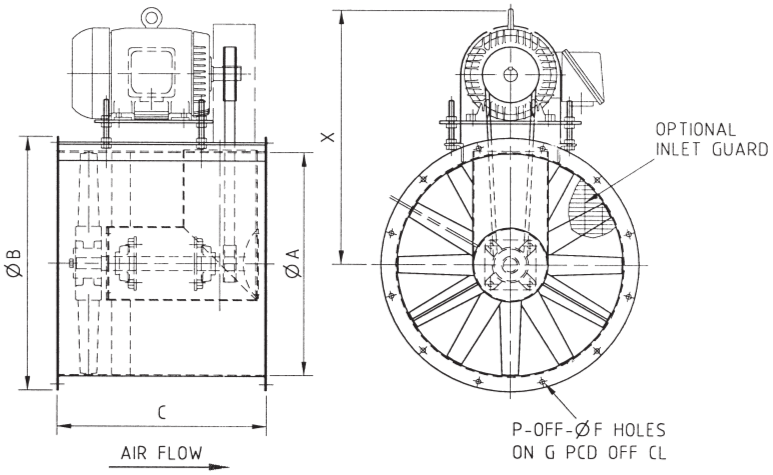
ARR 4 DIRECT DRIVE

V KG = WEIGHT OF ARR 4 FAN
ASS'Y EXCL. MOTOR & EXTRAS

W= MAX. WEIGHT

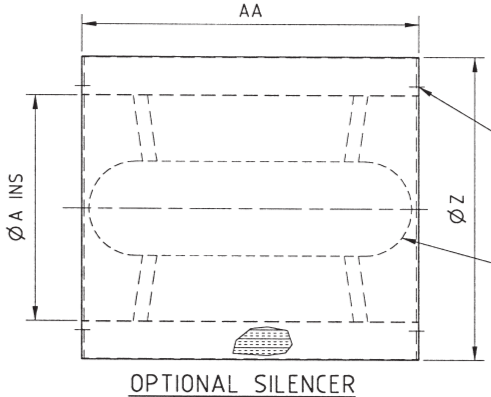
* DEPENDENT ON
MOTOR SIZE.

Y KG = WEIGHT OF ARR 2 FAN
ASS'Y EXCL. MOTOR & EXTRAS



ARR 2 BELT DRIVE

MODEL No	ARR 4 DIRECT DRIVE																WEIGHT KG					ARR 2 BELT DRIVE						WT. KG
Ø A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	B	C	F	G	P	X	Y
AF300	368	302	3	306	10	348	200	130	150	28	244	30	3	8	390	75	1.5	4	2	9	20	-	-	-	-	-	-	-
AF380	446	410	3	386	12	420	240	170	190	28	354	30	3	8	470	78	2	6	3	14	40	448	405	11	422	12	480	48
AF480	546	405	3	486	12	520	310	220	240	28	349	30	3	8	600	100	2.5	8	4	18	80	548	450	11	522	12	550	62
AF610	696	510	3	616	12	666	380	280	305	28	454	40	3	8	750	120	4	18	5	27	85	696	610	12	660	12	600	92
AF760	846	510	3	766	12	814	485	355	380	28	454	40	5	8	940	150	5	26	7	33	*	848	640	14	810	12	820	115
AF965	1070	800	3	970	14	1035	600	458	483	28	744	50	5	16	1170	180	7.5	35	18	72	*	1070	800	14	1035	16	950	184
AF1220	1326	850	3	1226	14	1290	740	570	610	53	744	50	5	20	1470	220	9.5	55	32	102	*	1350	1050	16	1290	20	1070	266
AF1525	1675	950	5	1530	14	1610	920	710	763	55	840	50	5	24	1830	270	17.5	90	46	258	*	-	-	-	-	-	-	-



OPTIONAL SILENCER

MODEL No A	Z	SILENCER AA 1xDIA	SILENCER AA 2xDIA	WEIGHT KG WITHOUT POD 1xDIA	WEIGHT KG WITHOUT POD 2xDIA	WEIGHT KG WITH POD 1xDIA	WEIGHT KG WITH POD 2xDIA
SIL300	450	300	600	10	15	-	-
SIL380	530	380	760	13	19	-	-
SIL480	630	480	960	20	28	-	-
SIL610	760	600	1150	26	35	44	55
SIL760	910	750	1500	43	58	73	92
SIL965	1165	950	1800	96	125	148	185
SIL1220	1420	1150	2350	110	230	160	330
SIL1525	1725	1500	3000	160	320	240	480

MC Series
Portable Mancooler Fans

The Aerotech range of Portable Mancooler Fans can be used in a wide variety of industrial applications, combining strengths and long life with competitive cost.

Applications
Industries like smelters, steel mills, foundries, forges, boiler making, laundries, brick kilns, glass works, textiles, bakeries, power stations etc. frequently experience the problem of local hot spots or pollution. Permanent systems to overcome these problems may be uneconomical or impracticle. The Aerotech Mancooler Fans are designed to supply portable fresh air at low cost to cool local hot spots, process cooling, fume removal or just ventilation.

The ventilation of hot industrial environment improves productivity and work relations by preventing acute discomfort, heat induced illness and possible work injury. Air movement over the human body improves the evaporation of water(sweat) from the skin, thus reducing the body heat. An air velocity of 1.25 to 2.5 m/s (250 to 500 fpm) will provide effective cooling in moderate to hot conditions.

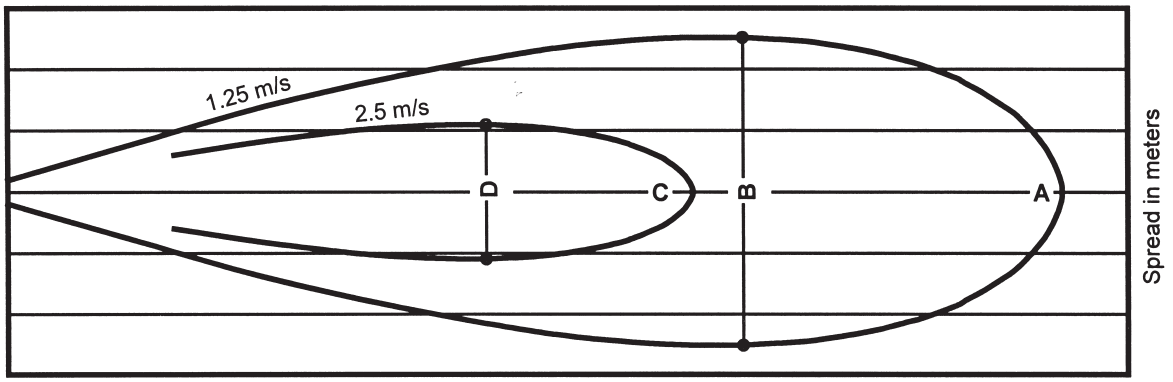
Construction
The Aerotech range of Portable Mancooler Fans features a high efficiency , non-corrosive, adjustable pitch aerofoil axial impeller , hot dip galvanised mild steel casing and is directly driven by a 415V, 3 phase or 240V, 1 phase, totally enclosed electric motor.
The standard impeller is polypropylene, however aluminium impellers are available on request.
The motor is mounted on a platform inside the casing permitting temperature rise of 65˚C. Flameproof motors are available on request. An external terminal box is provided for 3 Phase motors for easy connection to wiring circuit. Single phase units come with a lead and 3 pin plug.
The fan is mounted on a tubular mild steel support cradle, finished in hammertone enamel. The fan can be swivelled through 360 degrees and the discharge can be instantly locked in any direction by a hand operated lock nut. Four heavy duty castors are used to provide easy mobility and can be easily locked into position by pressing the brakes.
The fan inlet and outlet are coned for improved airflow and are fitted with safety guards. The whole unit is robustly built to stand firmly and withstand rough handling.

HOW TO ORDER

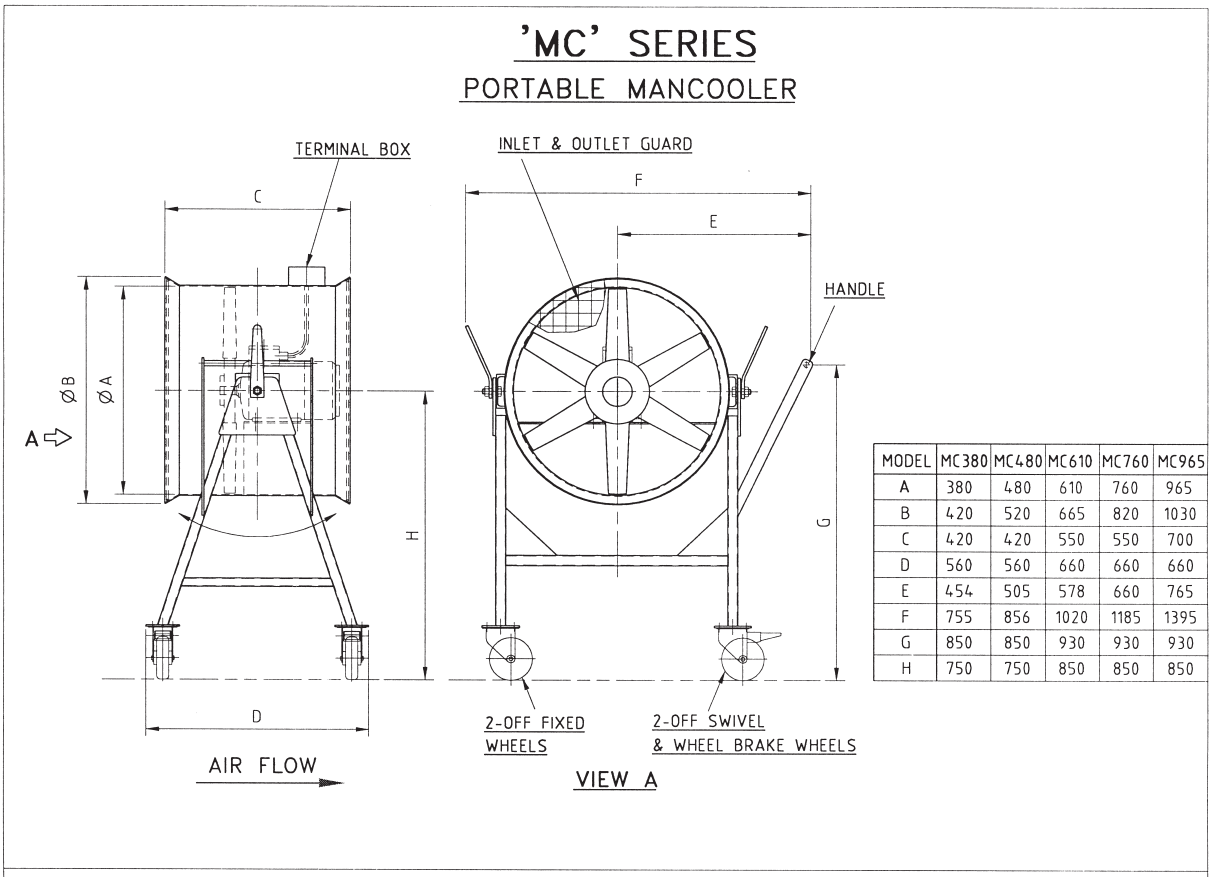
Step 1		Step 2		Step 3		Step 4
MC480	-	4P	-	0.75kW	-	3 Ph

Step 1 Fan Model/Size
Step 2 Fan Speed, No. of Poles
Step 3 Motor Power
Step 4 Motor Phase : 1Ph or 3 Ph

Fan diam. mm	Speed rpm	Motor kw	Free Airflow l/s	Velocity @ fan outlet m/s	Noise dbA @ 1m	A (m)	B (m)	C (m)	D (m)
380	1440	0.37	1320	11.6	66	14.0	4.0	10.0	2.0
380	2850	0.75	2040	18.0	80	20.0	6.0	14.0	2.6
380	2850	1.5	2500	22.0	82	25.0	7.5	17.5	3.0
480	1440	0.75	2640	14.6	72	21.0	6.5	14.5	2.5
480	2850	1.5	3500	19.3	85	26.0	7.8	18.2	3.4
480	2850	2.2	4000	22.1	86	30.0	9.0	21.0	4.0
610	960	0.55	3400	11.6	69	22.0	6.5	15.5	3.0
610	1440	1.1	4320	14.8	77	28.0	8.4	19.6	3.6
610	1440	2.2	5400	18.5	79	35.0	10.5	24.5	4.5
760	960	1.5	6670	14.7	76	30.0	9.0	21.0	4.0
760	1440	2.2	7470	16.5	83	37.0	11.0	26.0	5.0
760	1440	3	8330	18.4	84	44.0	13.0	31.0	5.5
965	720	2.2	9800	13.4	76	37.0	11.0	26.0	5.0
965	960	3	11500	15.7	81	48.0	14.5	33.5	6.0

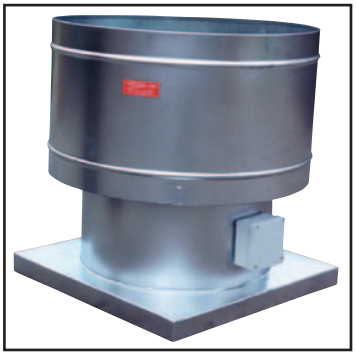


Air Throw = Distance from fan in meters



MODEL	MC380	MC480	MC610	MC760	MC965
A	380	480	610	760	965
B	420	520	665	820	1030
C	420	420	550	550	700
D	560	560	660	660	660
E	454	505	578	660	765
F	755	856	1020	1185	1395
G	850	850	930	930	930
H	750	750	850	850	850

PRV Series
Powered Roof Ventilators



The Aerotech range of Powered Roof Ventilators are a high volume, low cost industrial roof exhaust units with vertical discharge. They are used to remove heat, contaminants or to combat problems caused by the lack of replacement air.

Construction

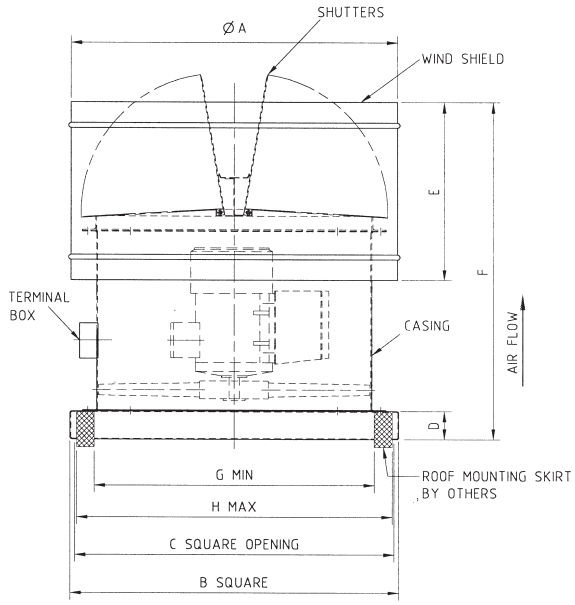
The Aerotech roof ventilators feature a high efficiency , non-corrosive, adjustable pitch aerofoil axial impeller, galvanised mild steel casing, vertical cowl, butterfly damper, square mounting base and is directly driven by a 415V, 3 phase or 240V, 1 phase, totally enclosed electric motor.
The standard impeller is polypropylene, however aluminium impellers are available on request. The motor is mounted on a platform inside the casing permitting temperature rise of 65˚C. Flameproof motors are available on request. An external terminal box is provided for easy connection to wiring circuit.

HOW TO ORDER

Step 1		Step 2		Step 3		Step 4
PRV610	-	6P	-	0.55kW	-	3 Ph

Step 1 Fan Model/Size
Step 2 Fan Speed, No. of Poles
Step 3 Motor Power
Step 4 Motor Phase : 1Ph or 3 Ph

'PRV' SERIES POWERED ROOF VENTILATOR



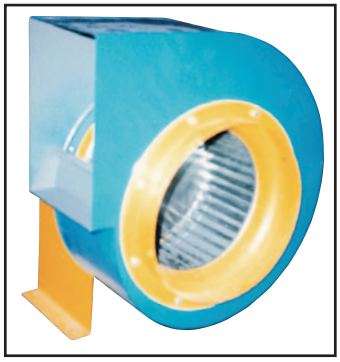
MODEL FAN Ø	A	B	C	D	E	F	G	H
PRV380	482	488	464	50	270	520	384	454
PRV480	620	585	561	50	320	610	482	552
PRV610	684	700	670	75	425	750	610	660
PRV760	910	915	890	80	500	950	770	880
PRV965	1200	1200	1175	100	750	1400	970	1166

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

Fan diam. mm	Speed rpm	Free Airflow m^3/s	Motor kw	Noise dbA @ 1m
380	1440	1.328	0.37	66
380	2850	1.620	0.37	78
380	2850	1.844	0.55	79
380	2850	2.045	0.75	80
380	2850	2.344	1.1	81
380	2850	2.581	1.5	82
480	1440	2.209	0.37	70
480	1440	2.525	0.55	72
480	1440	2.653	0.75	72
480	2850	2.202	0.37	83
480	2850	2.440	0.55	84
480	2850	2.798	0.75	84
480	2850	3.154	1.1	85
480	2850	3.502	1.5	85
480	2850	3.942	2.2	86
610	960	3.022	0.37	67
610	960	3.426	0.55	68
610	960	3.710	0.75	69
610	1440	3.043	0.37	74
610	1440	3.487	0.55	75
610	1440	3.795	0.75	76
610	1440	4.320	1.1	77
610	1440	4.860	1.5	78
610	1440	5.411	2.2	79
760	720	3.868	0.37	66
760	720	4.424	0.55	67
760	720	4.905	0.75	68
760	960	4.160	0.37	72
760	960	4.738	0.55	73
760	960	5.331	0.75	74
760	960	6.049	1.1	75
760	960	6.716	1.5	76
760	960	7.234	2.2	76
760	1440	4.624	0.55	79
760	1440	5.224	0.75	80
760	1440	5.842	1.1	80
760	1440	6.495	1.5	81
760	1440	7.431	2.2	82
760	1440	8.346	3	83
760	1440	9.200	4	83
760	1440	10.188	5.5	84
760	1440	10.940	7.5	85
965	720	5.650	0.37	68
965	720	6.556	0.55	69
965	720	7.264	0.75	70
965	720	8.309	1.1	71
965	720	9.245	1.5	73
965	720	9.722	2.2	73
965	960	6.652	0.55	76
965	960	7.319	0.75	77
965	960	8.229	1.1	78
965	960	9.132	1.5	78
965	960	10.379	2.2	80
965	960	11.657	3	81
965	960	12.737	4	82

FC Series
Multivane Fans

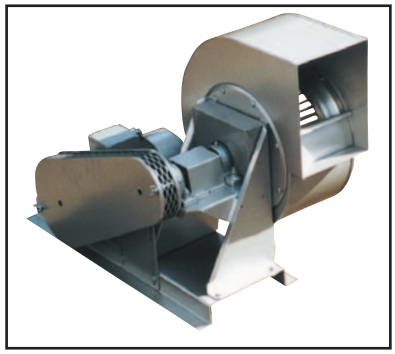
The Aerotech forward curved multivane fans are lightweight in construction, compact and operate quietly. They deliver high volume of air at low to medium pressure and are ideally suited in systems where the atmosphere is relatively clean.



Direct Driven

Construction
Pressed steel metal casing is bolted to a steel pedestal. The universal housing can be adjusted to various discharge positions. The impeller is characterised by a large number of curved shallow blades sloping forward in the direction of rotation. Fans can be supplied as direct or belt driven.

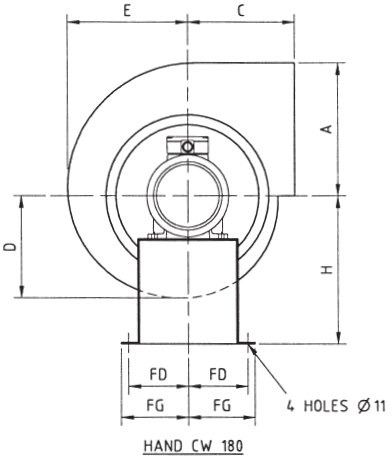
Application
Cooling of electronic apparatus, exhausting, drying, recirculating, cabinet pressurising, air conditioning, removal of non-corrosive fumes from industrial processes and for general ventilation purposes.

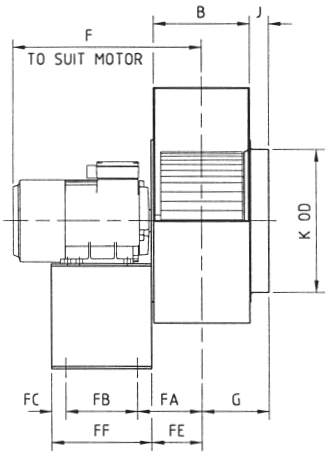


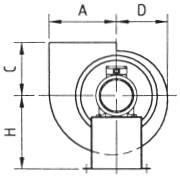
Belt Driven

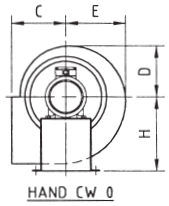
Optional Extras
Stainless steel impeller and casing, flanged inlet and outlet, inlet filter, safety guards, anti-vibration mounts.

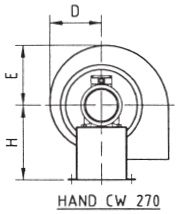
FC SERIES
MULTIVANE FANS











NOTE CLOCKWISE ROTATION SHOWN
FOR ANTI CLOCKWISE ROTATION
SYMMETRICALLY OPPOSITE

DIMENSIONS SHOULD NOT BE USED FOR CONSTRUCTIONAL PURPOSES WITHOUT OUR CERTIFICATION

	GENERAL										FOUNDATION DIMN'S						
FAN NO	A	B	C	D	E	F	G	H	J	K	FA	FB	FC	FD	FE	FF	FG
FC5	160	105	130	115	135	260	90	210	40	150	88	150	30	125	58	210	140
FC6	160	130	130	115	135	272	105	210	40	160	100	150	30	125	70	210	140
FC8	230	160	180	170	200	375	120	260	40	205	105	150	30	125	85	210	140
FC10	255	190	200	190	225	498	135	290	40	250	130	150	30	125	100	210	140
FC12	280	200	225	215	250	430	140	310	40	300	135	150	30	125	105	210	140
FC15	380	260	280	265	305	534	180	320	50	380	150	320	30	170	120	380	190