



wolter

AIR IN MOTION 



Alternative of the future



The Power of silence

Designed and tested with computer systems and protection ensure a continuity test up to 200 days



Quality standard and production

Products of Wolter are certified with TIS 934-2533 standard security by the office of industrial standards



The Power of Wind Vane Unique

Using special materials. Surface of the blade is very shiny. Low friction and rust-free for the full amount of wind power. Energy saving with blade design. Unique Technology licensed Wolter only



The Power superior protection

Structural steel through the coating electroplating system. The corrosion resistance of stainless steel and pollution



The Power of modern

Designed mask to modern and thinner to be 20% than normal. And be able to accept all of architecture

Ceiling Mount Types

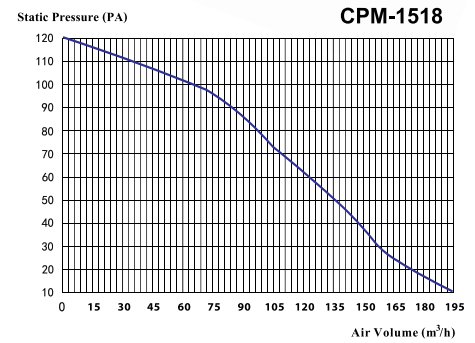
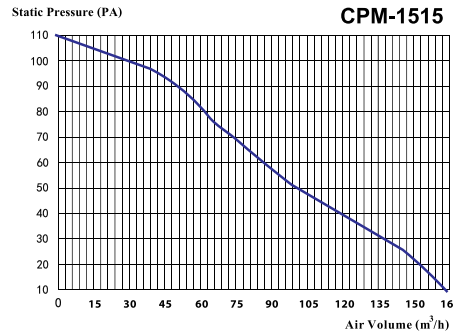
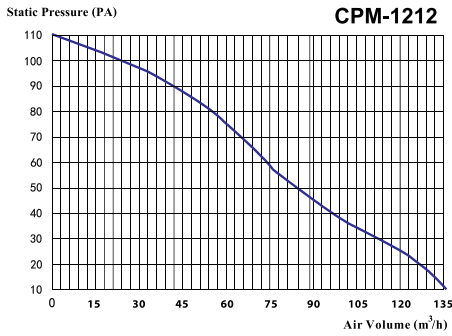
Model : CPM

- New design with Super Low noise
- Forward Blade size 120 – 180 mm
- Casing made from steel with anticorrosive color
- Louver made from ABS
- Maintenance free for ball bearing

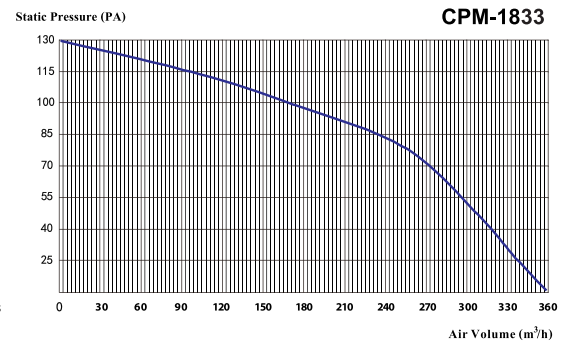
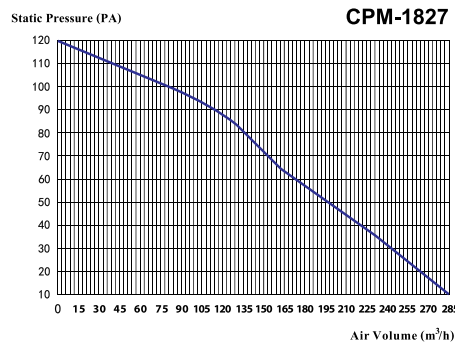
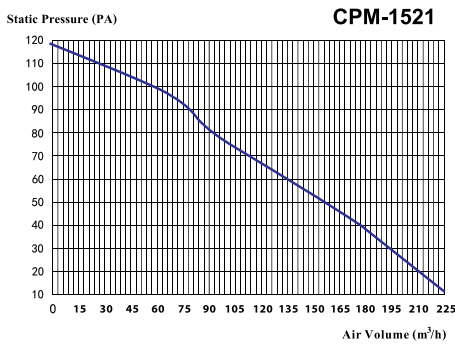
- Wind shield for anti-back spin of Air flow
- Completed with thermal fuse to cut electric off when motor has High temperature
- Air volume 120-330 m³/h , (70-194 cfm)

ENERGY SAVING

PERFORMANCE CURVE



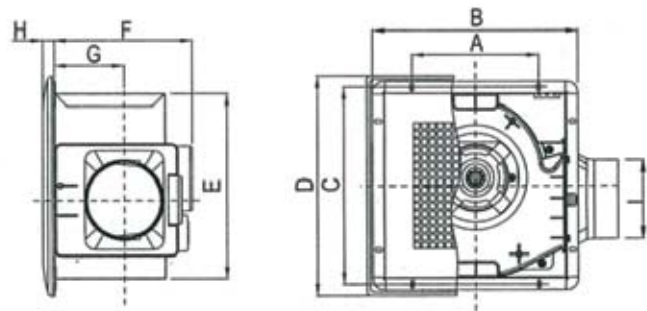
Low-Noise Half Metal Ventilating Fan



CPM



Dimension

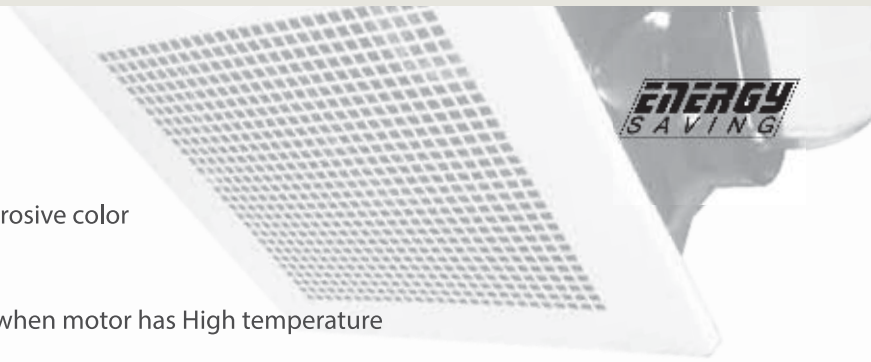


Model	Impeller (Ømm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m ³ /h)	Noise@1m dB(A)	Dimension (mm)									
							A	B	C	D	E	F	G	H	I	Louver size
CPM-1212	120	1/220/50	18	1500	120	33	110	234	220	234	205	184	88	13	98	229
CPM-1515	150	1/220/50	16	1200	150	34	160	259	245	286	230	174	88	13	98	254
CPM-1518	150	1/220/50	21	1300	180	38	160	259	245	286	230	174	88	13	98	254
CPM-1521	150	1/220/50	26	1300	210	40	160	259	245	286	230	174	88	13	98	254
CPM-1827	180	1/220/50	27	1030	270	36	140	289	275	301	260	234	117	13	148	279
CPM 1833	180	1/220/50	37	1100	330	37	140	289	275	301	260	234	117	13	148	279

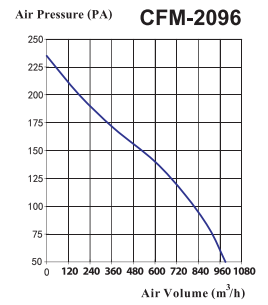
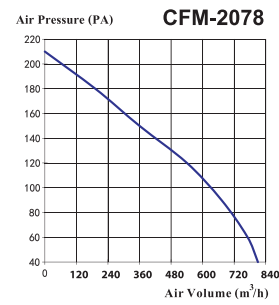
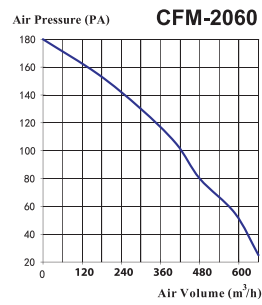
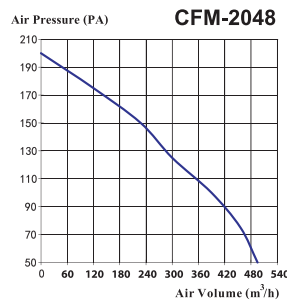
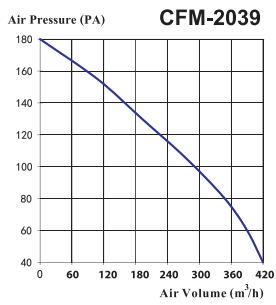
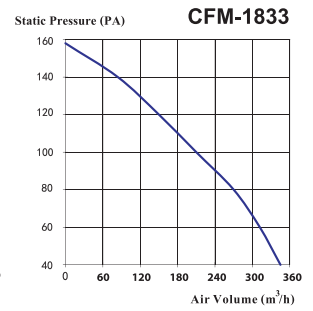
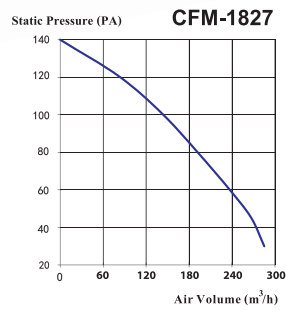
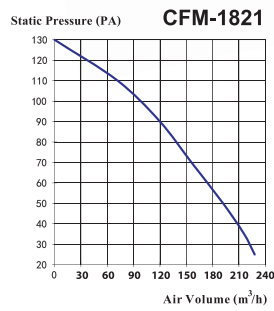
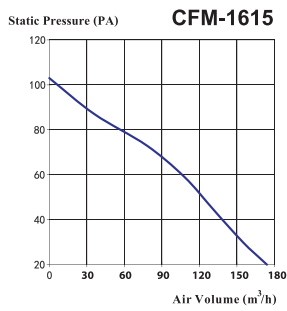
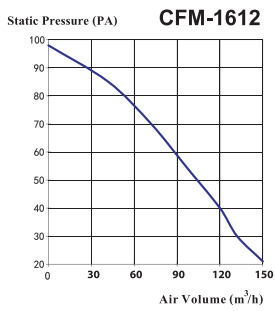
Ceiling Mount Types

Model : CFM

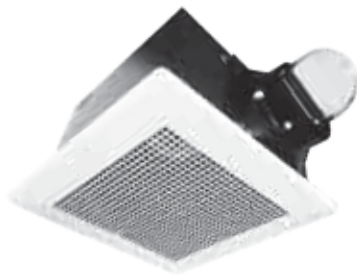
- New design with Super Low noise
 - Forward Blade size 150 – 200 mm
 - Casing and Louver made from steel with anticorrosive color
 - Maintenance free for ball bearing
 - Single wind shield for anti-back spin of Air flow
 - Completed with thermal fuse to cut electric off when motor has High temperature
- air volume 120-960 m³/h , (70-565 cfm)



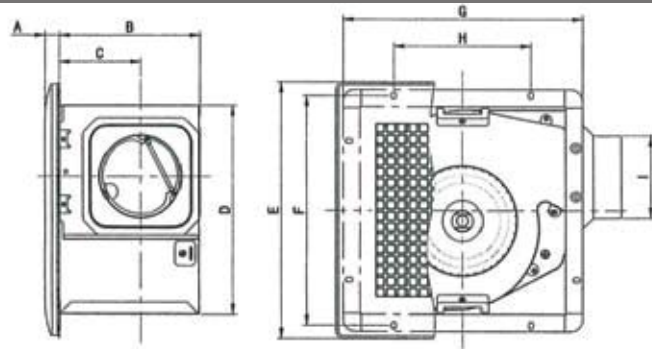
PERFORMANCE CURVE



CFM



Dimension



Model	Impeller (Ø mm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m ³ /h)	Noise@1m dB(A)	Dimension (mm)									
							A	B	C	D	E	F	G	H	I	Louver size
CFM-1612	150	1/220/50	16	690	120	34	17	163	95	241	297	266	280	160	98	305
CFM-1615	150	1/220/50	19	780	150	37	17	163	95	241	297	266	280	160	98	305
CFM-1821	180	1/220/50	24	520	210	38	17	188	108	281	346	306	320	180	123	356
CFM-1827	180	1/220/50	30	640	270	41	17	188	108	281	346	306	320	180	123	356
CFM-1833	180	1/220/50	38	735	330	45	17	188	108	281	346	306	320	180	123	356
CFM-2039	200	1/220/50	45	600	390	42	17	228	115	311	370	336	350	200	148	381
CFM-2048	200	1/220/50	54	738	480	46	17	228	115	311	370	336	350	200	148	381
CFM-2060	230	1/220/50	85	730	600	50	17	233	123	388	476	411	425	240	198	381
CFM-2078	230	1/220/50	108	830	780	53	17	233	123	388	476	411	425	240	198	381
CFM-2096	230	1/220/50	210	980	960	58	17	233	123	388	476	411	425	240	198	381

Wall Mount Types

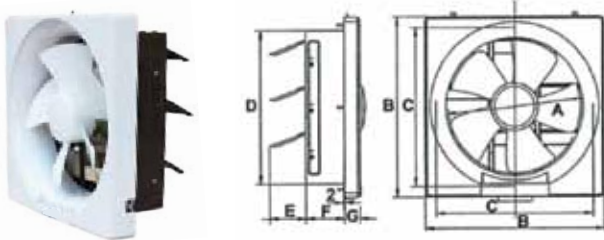
Model : WMS / WMS (c) with Louver

- Modern design
- High Efficiency Blade size 150-300 mm
- casing made from High grade PP
- Automatic shutter louver series
- Luxury Louver (WMS C with Louver)
- completed with thermal fuse to cut electric off when motor has High temperature
- Air volume = 270 - 1,110 m³/h (159-653 cfm)



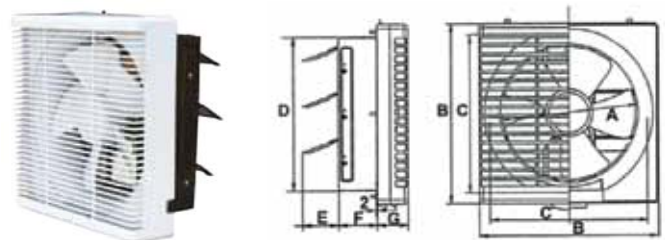
WMS

Dimension



WMS (c) with Louver

Dimension



Model	Impeller (Ømm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m ³ /h)	Noise@1m dB(A)	Dimension (mm)						
							A	B	C	D	E	F	G
WMS-15B	150	1/220/50	18	1520	270	38	150	244	210	193	66	78	30
WMS-15B(C)													63
WMS-20B	200	1/220/50	22	1150	492	41	200	294	260	243	84	67	30
WMS-20B(C)													62
WMS-25B	250	1/220/50	30	1200	750	43	250	344	310	293	68	75	30
WMS-25B(C)													59
WMS-30B	300	1/220/50	35	1120	1110	49	300	401	360	343	82	82	32
WMS-30B(C)													60

Window Mount Types

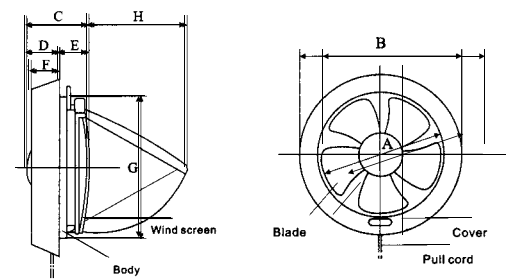
Model : WMR

- Modern design
- High Efficiency Blade size 150 – 200 mm
- casing made from High grade PP
- Cord-operated shutter series
- Completed with thermal fuse to cut electric off when motor has High temperature
- Air volume 192-276 m³/h , (113-162 cfm)



WMR

Dimension



Model	Impeller (Ømm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m ³ /h)	Noise@1m dB(A)	Dimension (mm)							
							A	B	C	D	E	F	G	H
WMR-15C	150	1/220/50	19	1980	258	45	150	208	85	44	41	40	177	130
WMR-20C	200	1/220/50	23	1920	384	49	200	272	100	44	48	43	238	180

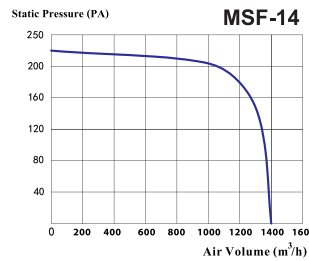
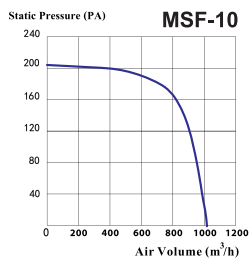
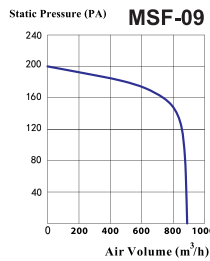
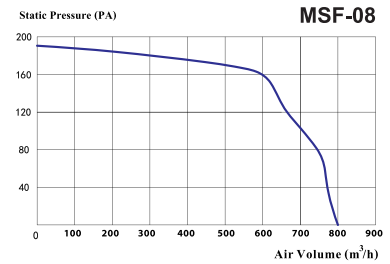
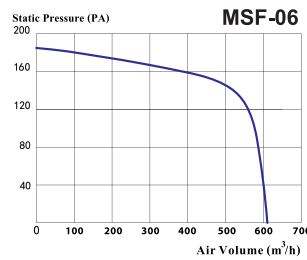
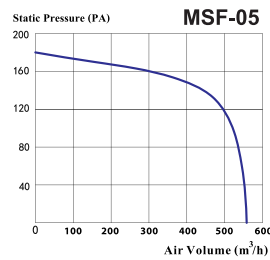
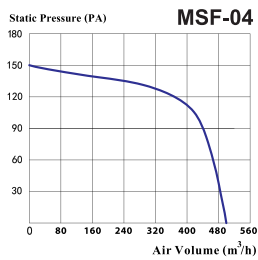
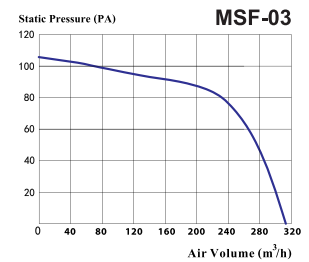
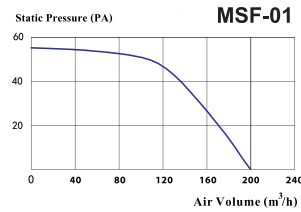


Mini Sirocco Fan

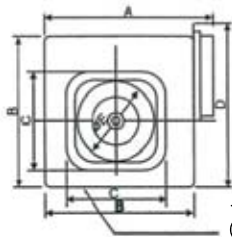
Model : MSF

- Small size easy to installed
- Suitable for Long pipe and multi suction Point
- Install in long tube for increase airflow
- Casing made from steel with anticorrosive colour
- Forward Blade impeller size 100 – 200 mm
- Completed with thermal fuse to cut electric off when motor has High temperature
- Duct diameter= 100 – 200 mm
- High air volume 165 – 1200 m3/h ,(97-706 cfm)

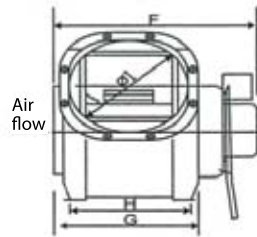
PERFORMANCE CURVE



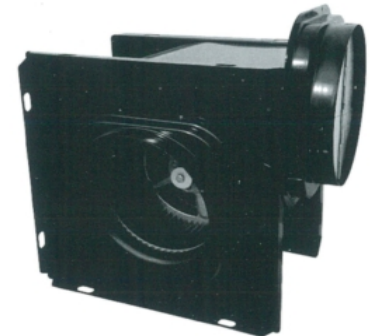
Dimension



12-J Long hole
(use in installation)



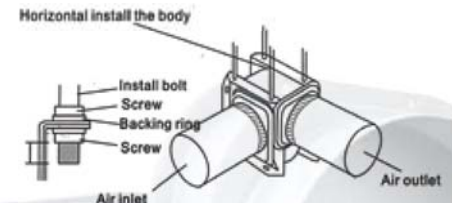
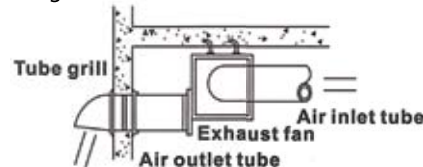
MSF



Installation Guide



Sling installation



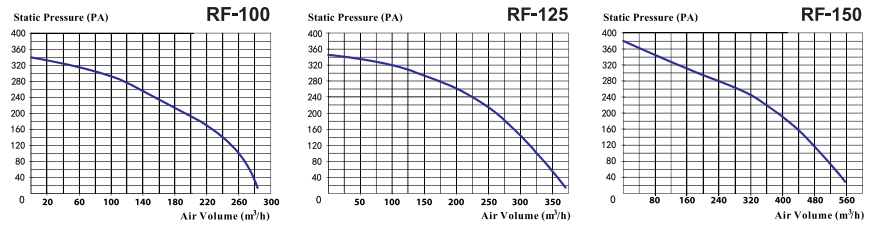
Model	Impeller (Ømm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m³/h)	Noise @1m dB(A)	Dimension (mm)									
							A	B	C	D	E	F	G	H	I	J long help
MSF-01	100	1/220/50	20	1200	165	43	216	180	130	205	100	175	142	104	95	17 x 7
MSF-03	150	1/220/50	40	910	300	42	298	250	160	278	150	215	179	142	145	19 x 9
MSF-04	150	1/220/50	58	1140	450	49	298	250	160	278	150	215	179	142	145	19 x 9
MSF-05	180	1/220/50	80	700	500	47	350	300	235	360	200	280	235	190	198	21 x 11
MSF-06	180	1/220/50	92	800	600	48	350	300	235	360	200	280	235	190	198	21 x 11
MSF-08	180	1/220/50	123	1000	700	48	350	300	235	360	200	280	235	190	198	21 x 11
MSF-09	180	1/220/50	150	1100	800	53	350	300	235	360	200	280	235	190	198	21 x 11
MSF-10	180	1/220/50	160	1200	900	54	350	300	235	360	200	280	235	190	198	21 x 11
MSF-14	200	1/220/50	285	1100	1200	65	382	330	260	385	200	368	235	190	198	24 x 12

Rectangular Duct Fan

Model : RF

- New Slim Casing design suitable for low depth ceiling
- Suitable for Long pipe and multi suction Point
- Install in long tube for increase Pressure
- Casing made from steel with anticorrosive color
- Forward Blade impeller size 140 mm
- External rotor motor IP44
- Complete with thermal fuse to cut electric of when motor has high temperature
- Duct diameter= 100 – 150 mm
- Air volume 270 – 500 m³/h , (159-294cfm)

PERFORMANCE CURVE



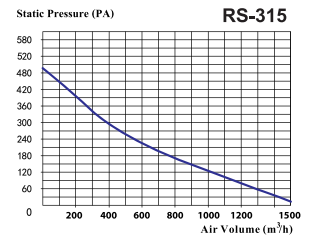
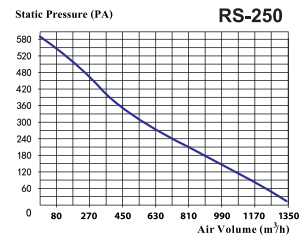
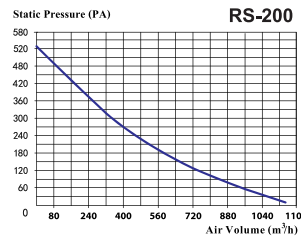
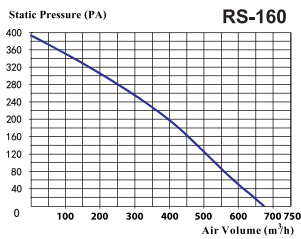
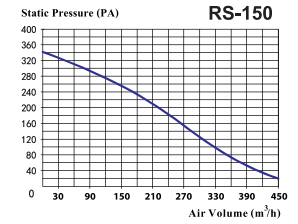
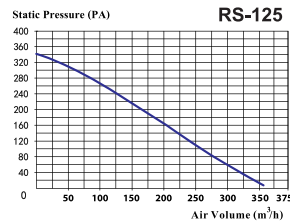
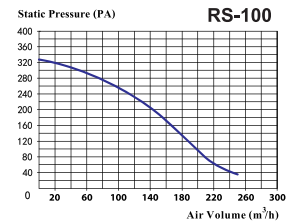
Model	Impeller (Ømm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m ³ /h)	Noise@1m dB(A)	Dimension (mm)						
							A	B	C	D	E	F	G
RF-100	140	1/220/50	103	2,700	270	61	100	250	350	160	227	272	122
RF-125	140	1/220/50	113	2,550	390	65	125	250	350	160	227	272	152
RF-150	140	1/220/50	162	2,500	500	67	150	250	350	160	227	272	172

Circular Duct Fan

Model : RS

- New Inline tube fan design
- Inline inlet and outlet Easy to install
- Suitable for Long pipe and multi suction Point
- Casing made from steel with anticorrosive colour
- Backward Blade impeller size 190 – 250 mm
- External rotor motor IP44
- Complete with thermal fuse to cut electric of when motor has high temperature
- Duct diameter= 100 – 315 mm
- Air volume 248 – 1500 m³/h ,(146-882cfm)

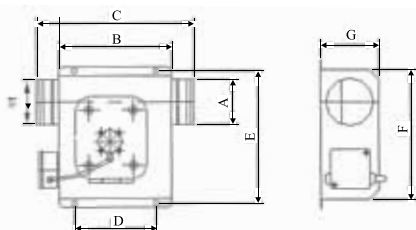
PERFORMANCE CURVE



Model	Impeller (Ømm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m ³ /h)	Noise@1m dB(A)	Dimension (mm)				
							A	B	C	D	E
RS-100	190	1/220/50	77	2,366	248	55	100	242	20	186	15
RS-125	190	1/220/50	88	2,380	360	55	125	243	25	189	22
RS-150	190	1/220/50	88	2,380	450	57	150	271	20	193	20
RS-160	220	1/220/50	127	2,480	580	59	160	345	27	228	27
RS-200	250	1/220/50	178	2,445	1030	61	200	345	27	228	29
RS-250	250	1/220/50	181	2,550	1180	63	250	345	27	228	29
RS-315	250	1/220/50	163	2,625	1500	65	315	400	27	259	29

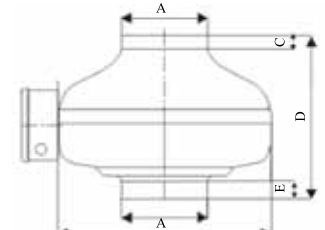
RF

Dimension



RS

Dimension



Ceiling Mount Types แบบฝังเพดาน

CFP Series (Fully Plastic)

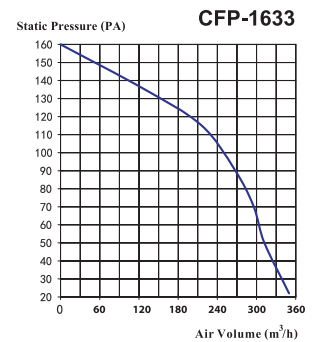
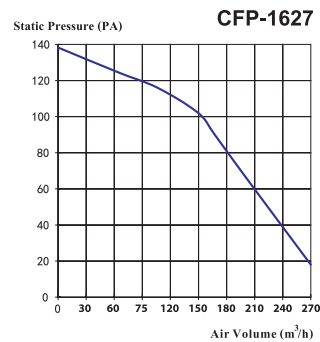
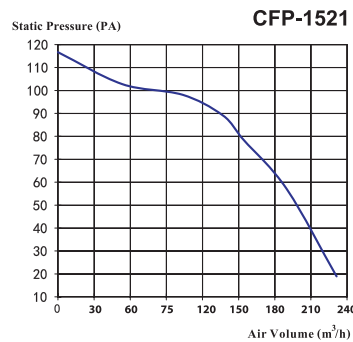
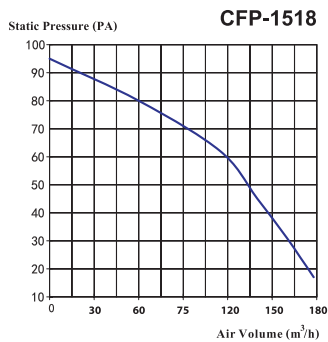
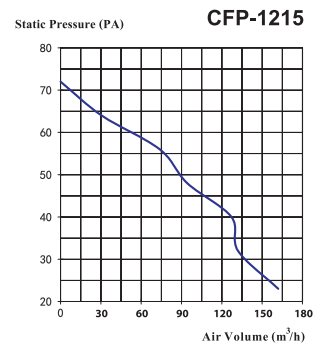
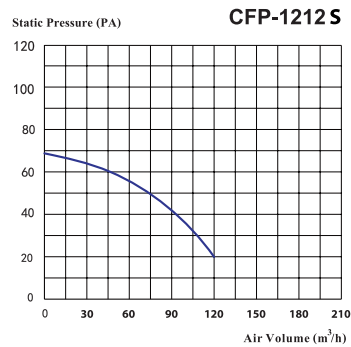
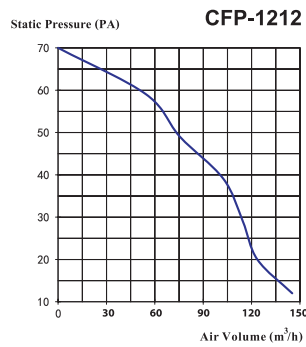
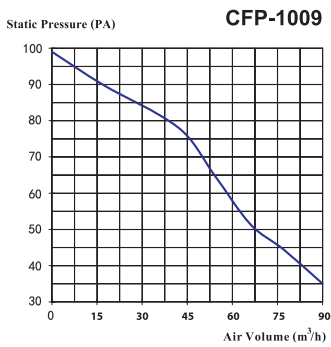
แบบต่อท่อ มี Wind Shield บล็อกกันลมย้อนกลับ
(ใบพัดขนาด 4", 5" และ 6")

Casing และใบพัด ผลิตจาก PP
หน้าฉาก ABS คงทนเงางาม

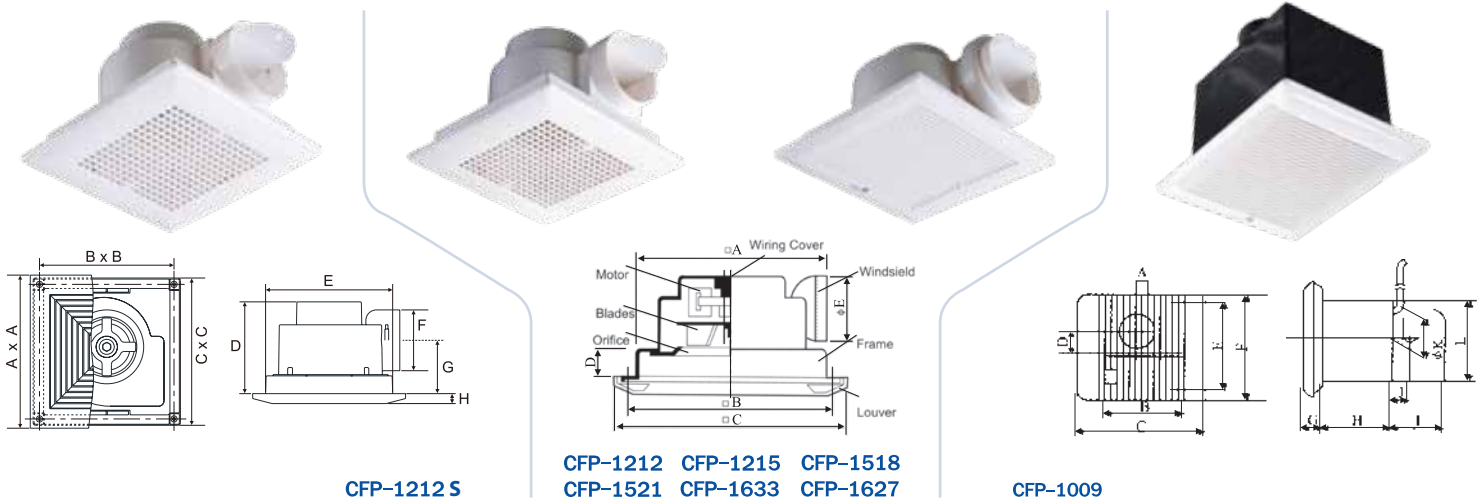
*มอเตอร์ติดตั้ง Thermal fuse
ตัดไฟอัตโนมัติ เมื่อมอเตอร์มีอุณหภูมิสูง



Performance Curve



External Dimension



CFP-1212 S

CFP-1212 CFP-1215 CFP-1518
CFP-1521 CFP-1633 CFP-1627

CFP-1009

Model	Impeller (Ømm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m³/h)	Noise @1m dB(A)	Dimension (mm)											
							A	B	C	D	E	F	G	H	I	J	K	Louver size
CFP-1009	100	220	15	1510	96	37	8	180	258	36	170	218	22	140	90	26	75	156x199
CFP-1212	120	220	21	1310	120	42	204	218	246	40	100	-	-	-	-	-	-	246
CFP-1212 S	120	220	23	1080	120	42	247	217	238	151	206	98	89	16	-	-	-	247
CFP-1215	120	220	22	1310	150	42	228	242	270	40	100	-	-	-	-	-	-	270
CFP-1518	150	220	28	1080	180	36	248	268	300	42	125	-	-	-	-	-	-	300
CFP-1521	150	220	31	1080	210	37	248	268	300	42	125	-	-	-	-	-	-	300
CFP-1627	160	220	50	834	270	40	310	330	365	37	148	-	-	-	-	-	-	365
CFP-1633	160	220	52	1140	330	43	310	330	365	37	148	-	-	-	-	-	-	365

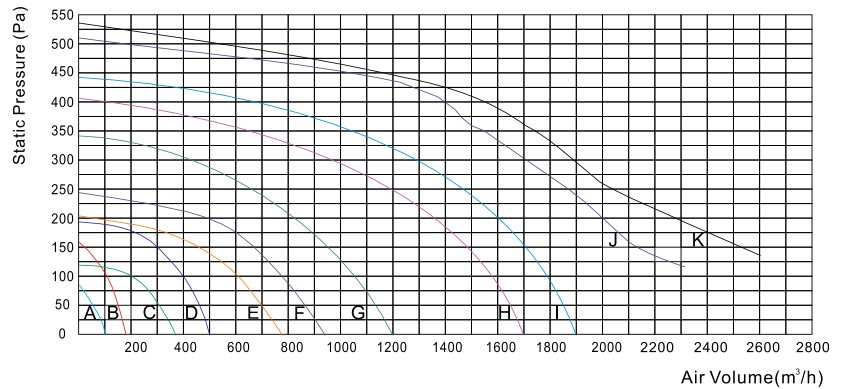
Duct Tubular Ventilation Fan

Model : DVF

- Inline Cabinet Design
- Easy to install and more space-saving
- Super Low noise with cabinet
- Use for Air supply and exhaust
- Forward Blade size 120 – 280 mm
- Casing and impeller made from steel with anticorrosive color
- Completed with thermal fuse to cut electric off when motor has High temperature
- Air volume = 100 - 2600 m³/h ,(60-1530 cfm)



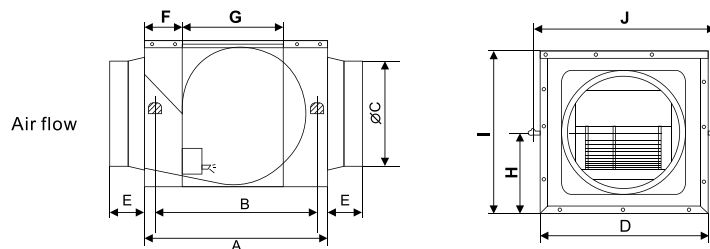
PERFORMANCE CURVE



- A: DVF-12010 H: DVF-25170
- B: DVF-12018 I: DVF-25190
- C: DVF-15036 J: DVF-28231
- D: DVF-18050 K: DVF-28260
- E: DVF-18077
- F: DVF-20092
- G: DVF-23120

DVF

Dimension



Model	Impeller (Ømm)	Voltage (Ph/V/Hz)	Power (watt)	Speed (rpm)	Volume (m ³ /h)	Noise @1m dB(A)	Dimension (mm)										Duct Size (mm)
							A	B	C	D	E	F	G	H	I	J	
DVF-12010	120	1/220/50	20	960	100	20	340	298	95	240	65	68	210	100	200	285	Ø100
DVF-12018	120	1/220/50	37	1350	180	23	340	298	95	240	65	68	210	100	200	285	Ø100
DVF-15036	150	1/220/50	55	1240	360	27	340	298	150	240	75	53	230	120	240	285	Ø150
DVF-18050	180	1/220/50	125	1360	500	29	390	348	150	270	75	58	265	140	280	315	Ø150
DVF-18077	180	1/220/50	157	1249	770	35	420	378	200	340	65	64	265	140	280	385	Ø200
DVF-20092	200	1/220/50	187	1250	920	37	490	448	200	370	65	58	304	160	320	415	Ø200
DVF-23120	230	1/220/50	275	1270	1200	41	520	478	200	400	65	74	344	182.5	365	445	Ø200
DVF-25170	250	1/220/50	405	1040	1700	43	590	548	250	400	75	74	364	190	380	445	Ø250
DVF-25190	250	1/220/50	535	1200	1900	46	590	548	250	400	75	74	364	190	380	445	Ø250
DVF-28231	280	1/220/50	780	1370	2310	46	660	618	250	480	75	107	375	210	420	525	Ø250
DVF-28260	280	3/380/50	800	1380	2600	46	660	618	250	480	75	107	375	210	420	525	Ø250

Standard Ventilation Schedule



Application icons :

WHEN YOU SELECT THE MODEL AND NUMBER OF VENTILATING FAN, THE REQUIRED AIR VOLUME IS CONSIDERED.

No. of ventilating fan = $\frac{\text{Room size (m)} \times \text{Necessary frequency of ventilation per hour (n)}}{\text{Air volume of ventilating CMH}^* \text{ *CMH}=(\text{m}^3/\text{h})}$		
Type of building and room		Necessary frequency of ventilation per hour (n)
COMPANY	Office	6
	Conference Room	12
FACTORY	Office	6
	Painting Room	20
SCHOOL	Laboratory, Auditorium, Classroom	6
	Teaching room	15
	Gymnasium	8
	Toilet	12
HOSPITAL	Waiting room	10
	Clinic, Ward	6
	Operating room	15
HOUSE	Kitchen	15
	Bathroom, Toilet	10
	Living room, Bedroom	6
PHOTO STUDIO	Darkroom	10
RESTAURANT/BAR	Restaurant	6
	Kitchen	20
HOTEL	Dinning hall	8
	Hallway	5
	Kitchen	15
	Toilet	5
	Laundry	15

Specification and standard

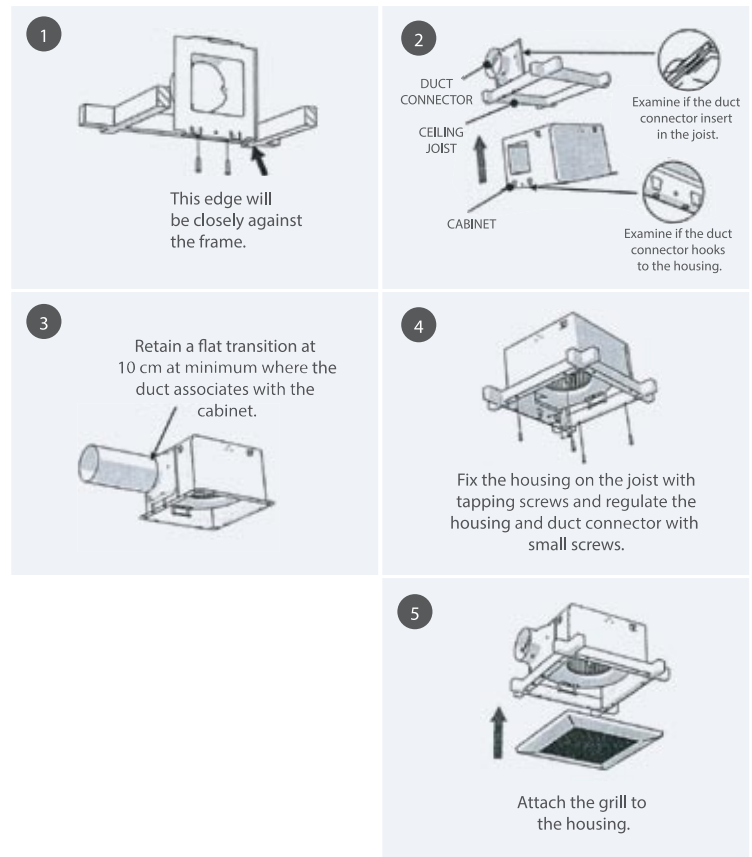
- Silence and complete with thermal fuse to cut electric off when motor has high temperature high efficiency impeller.
- The diameter of the rotor is large. The amount of high winds and around slowly to silence.
- Mask made form ABS plastic is a beautiful
- Casing mad form steel with anticorrosive
- Ball bearing for smoother and durable operation and long life
- Warranty 3 years

Usability and Specification of Wolter Fans

- Papidly decreasing remove smell
- Heat transfer , exhaust hot air and bring in fresh air
- Remove dust , blow out and small flying particles indoor
- Absorbing moisture and balancing the humidity
- Increasing oxygen , remove smell and tobacco , make you feel more comfortable

INSTALLATION

1. Install the duct connector in the ceiling joist with the screws like what the illustration shows.
2. Install the housing in the ceiling joist and connect the housing with the duct connector.
3. Position the housing in the joist with tapping screws. Fix it and duct connector with small screws.
4. Connect the duct with the duct connector and tighten with adhesive tape. Hang suspension duct to avoid external pressure.
5. Attach the grill with the housing.
6. wire the fan and install the multi-pole switch to regulate the fan.



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wolter
AIR IN MOTION

