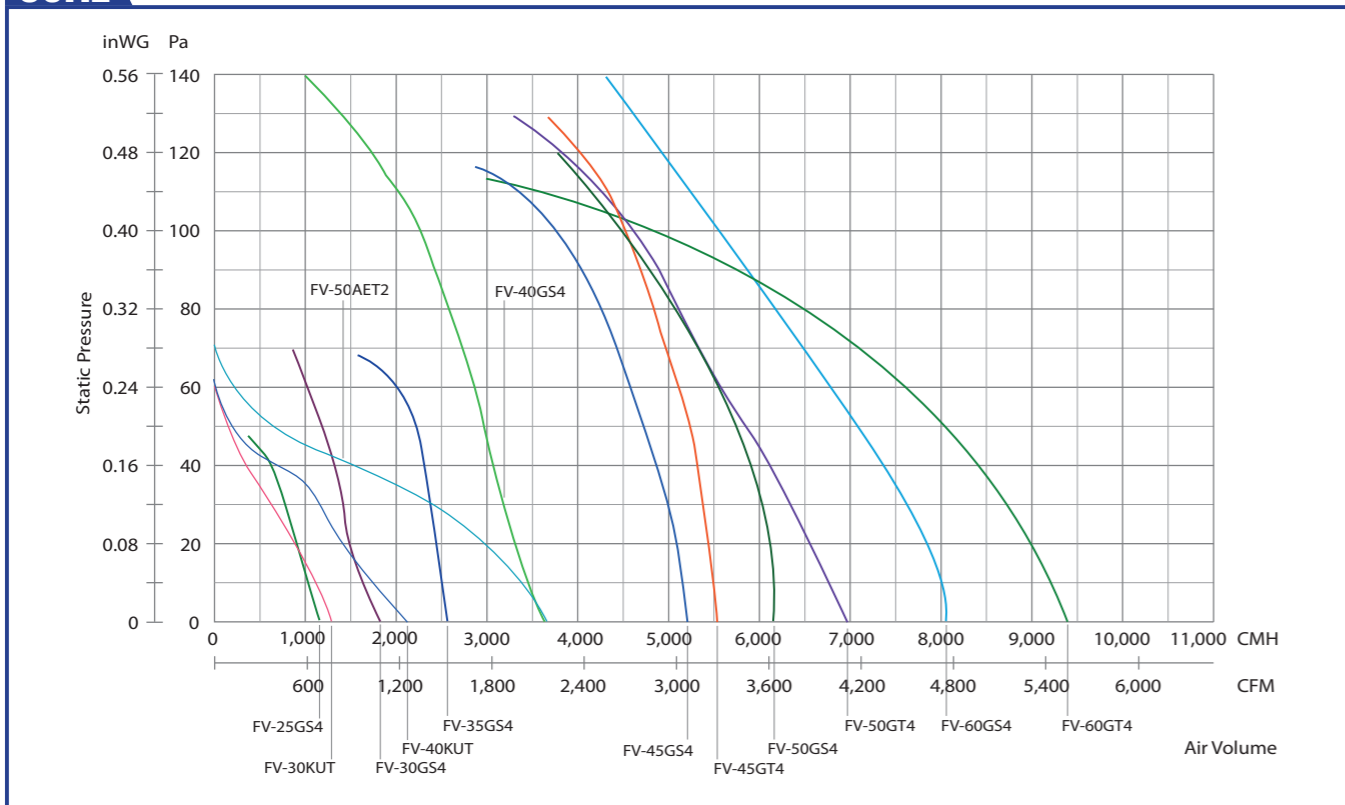
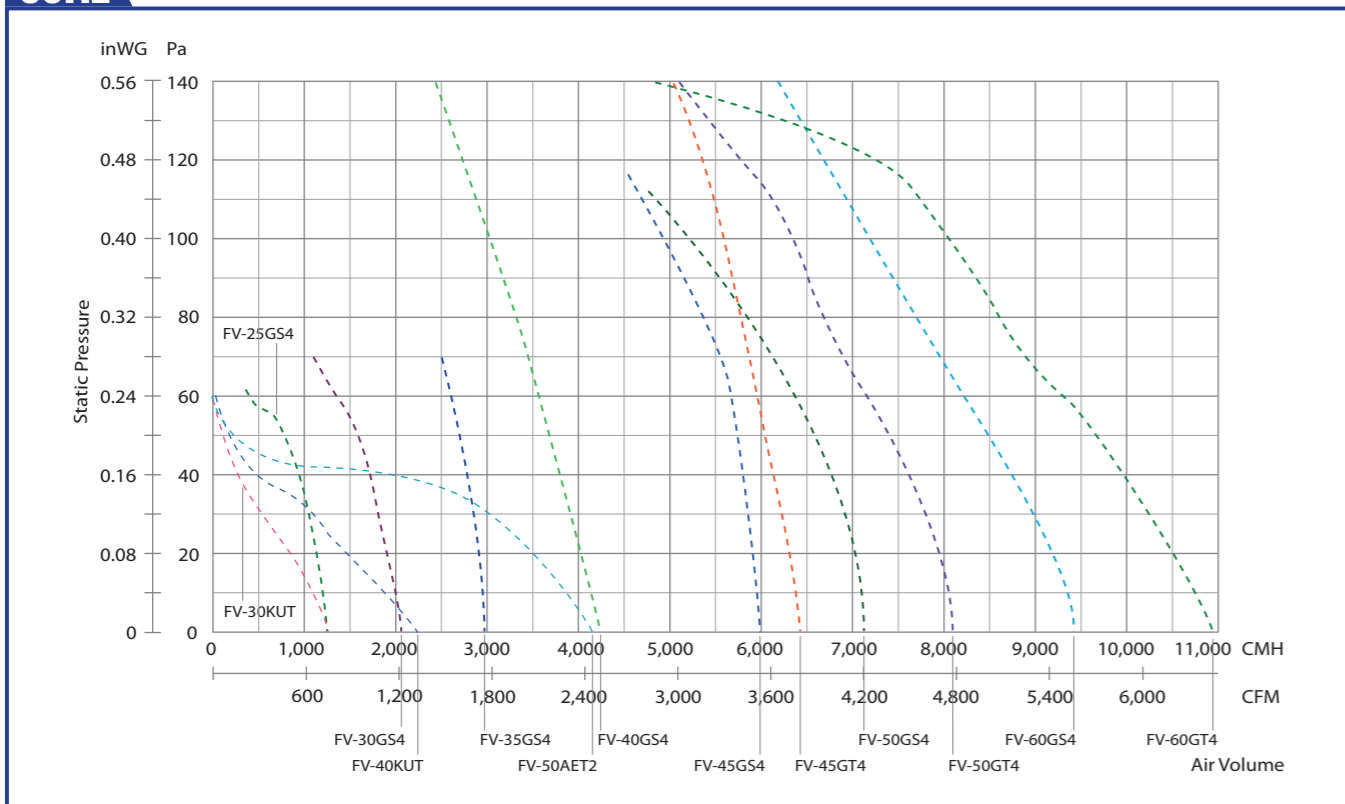


# Selection Chart

50Hz



60Hz



Note: Performance data are at 220V for single phase models and 380V for three phase models.

# Panasonic

## Industrial Ventilating Fans



**Panasonic**

Panasonic Ecology Systems Co., Ltd  
<http://www.peshk.panasonic.hk/>

- Specifications are subject to change without prior notice.  
 - Actual colors may vary slightly from those shown.

CATALOG NO: P-VF005B1  
 Printed in Hong Kong 04.16

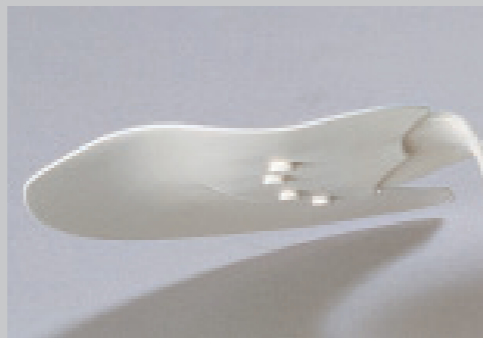
Industrial Ventilating Fans can be used in factories, warehouses, shop, commercial kitchens and other places where large air change is necessary. High Pressure Series is applicable for the places being ventilated by duct pipe through which static pressure is relative high. The airflow direction of this series can be reversed by adjusting the wiring and blade.

\* Air volume of reverse airflow (intake) would be different from exhaust airflow

## Features of High Pressure Series

### 1 High Static Pressure, Low Power Consumption

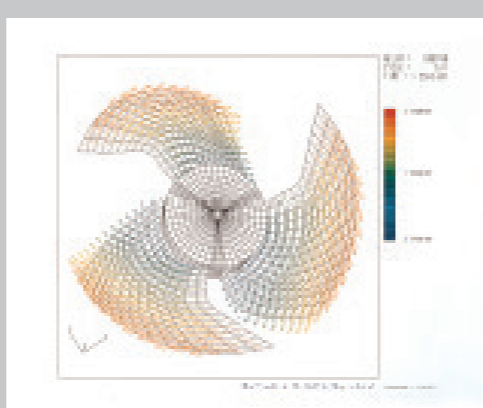
The unique design of wave-shaped blade and bellmouth construction enable better performance in high static pressure and low power consumption.



Fans with 3-dimensional wave-shaped cross section blade

### 2 Low-Noise Design

The blade's distinctive wave-shaped is developed by application of hydrodynamic analysis. It can deliver a smooth and turbulence free airflow, meaning the performance in big air volume but with less noise.



Surface Velocity Vector Diagram

### 3 Improved Durability

Pressure is distributed more uniformly over the surface of the blade, making it more durable. A special polyester resin powder coating gives a beautiful color and a highly rust-resistant finishing.

## High-Pressure Series

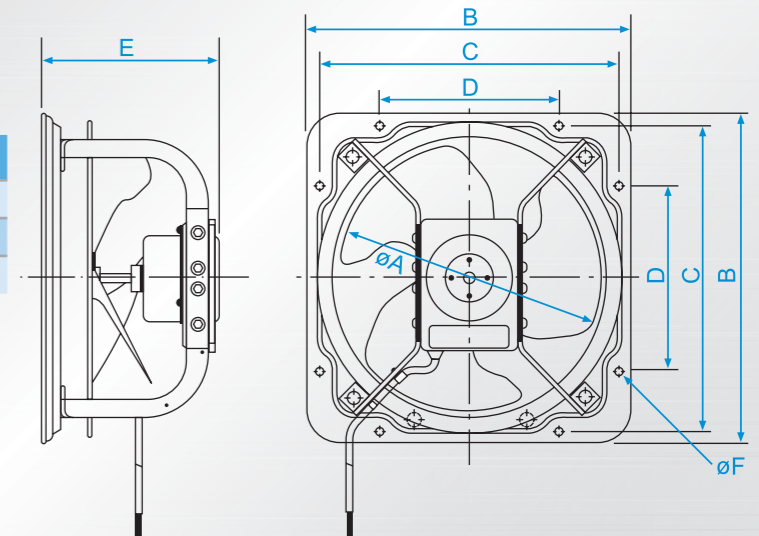
### FV-25GS4 / FV-30GS4 / FV-35GS4

- Single Phase
- Reversible by adjusting wiring and blade setting
- Bellmouth construction with distinctive wave-shape blade
- Durable powder coating
- High performance motor with thermal cut-off
- Able to be used over an ambient temperature range from - 10°C to +50°C
- Possible to install horizontally or vertically
- Optional guard and shutter available

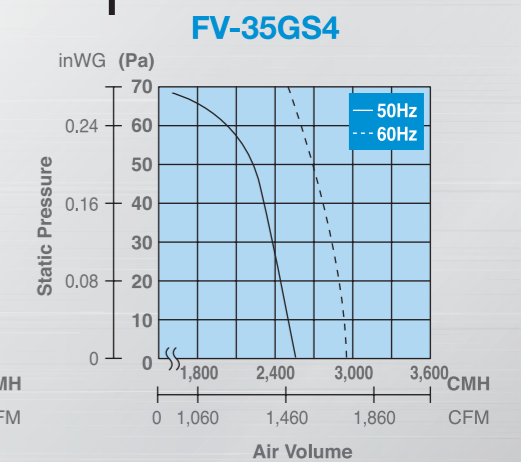
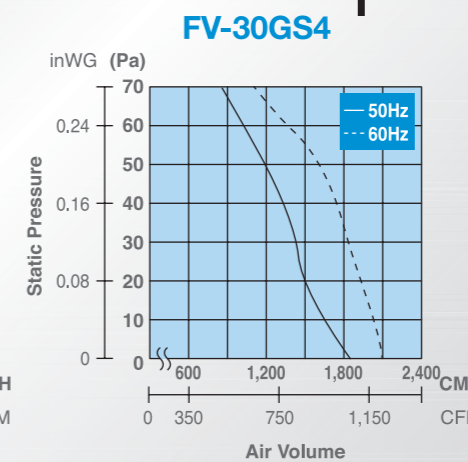
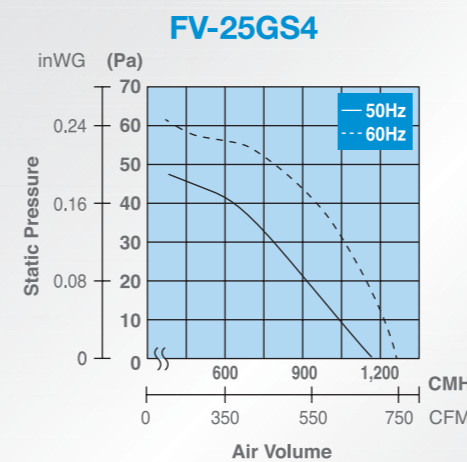


### Dimension Unit : mm

Model No.	A	B	C	D	E	F
FV-25GS4	250	327	298	165	171	10
FV-30GS4	300	378	349	210	200	10
FV-35GS4	350	467	434	250	236	12



### Performance Data (220V 50Hz/60Hz)



### Specification

Model No.	Hz	Consumption [W]	RPM [min <sup>-1</sup> ]	Air Volume		Noise [dB(A)]	Weight [kg]
				[CMH]	[CFM]		
FV-25GS4	50	39	1,360	1,100	653	34	4.4
	60	47	1,560	1,250	735	39	
FV-30GS4	50	59	1,360	1,800	1,059	38	6.1
	60	80	1,560	2,080	1,224	42	
FV-35GS4	50	88	1,420	2,560	1,506	44	10.5
	60	127	1,660	2,940	1,730	48	

Note : The value in Specification tables are representative characteristic value at 220V, 50/60Hz. RPM data is for reference only, values may vary subject to different conditions.

## High-Pressure Series

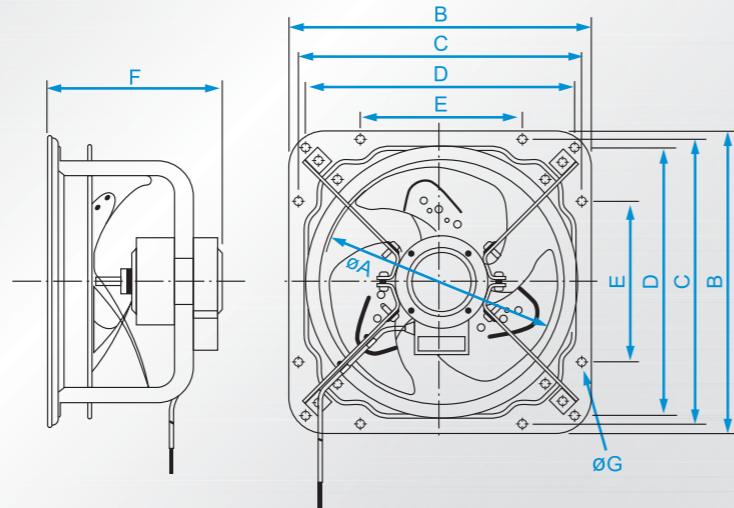
### FV-40GS4

- Single Phase
- Reversible by adjusting wiring and blade setting
- Bellmouth construction with distinctive wave-shape blade
- Durable powder coating
- High performance motor with thermal cut-off
- Able to be used over an ambient temperature range from - 10°C to +50°C
- Possible to install horizontally or vertically
- Optional guard and shutter available

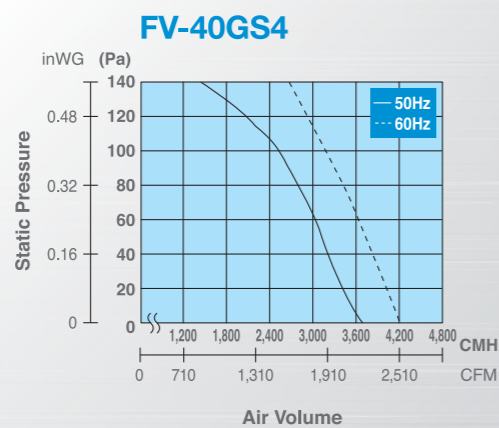


### Dimension Unit : mm

Model No.	A	B	C	D	E	F	G
FV-40GS4	400	518	485	460	280	274	12



### Performance Data (220V 50Hz/60Hz)



### Specification

Model No.	Hz	Consumption [W]	RPM [min <sup>-1</sup> ]	Air Volume		Noise [dB(A)]	Weight [kg]
				[CMH]	[CFM]		
FV-40GS4	50	161	1,450	3,610	2,125	47	19
	60	210	1,710	4,240	2,496	51	

Note : The value in Specification tables are representative characteristic value at 220V, 50/60Hz. RPM data is for reference only, values may vary subject to different conditions.

## High-Pressure Series

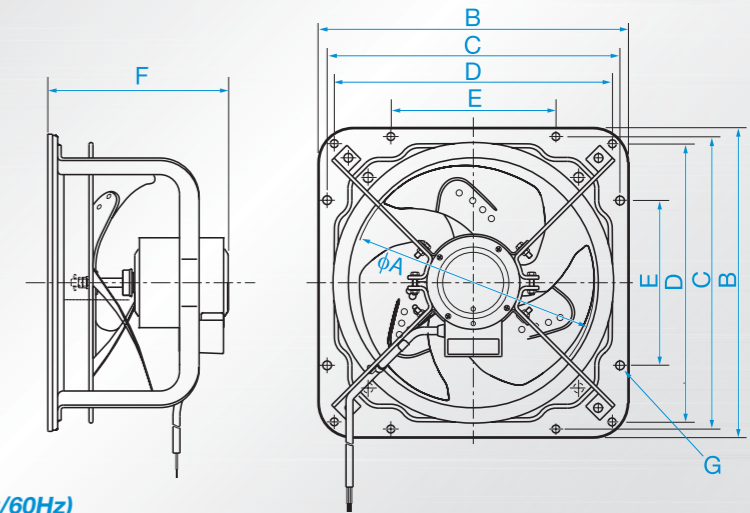
### FV-45GS4 / FV-50GS4 / FV-60GS4

- Single Phase
- Reversible by adjusting wiring and blade setting
- Bellmouth construction with distinctive wave-shape blade
- Durable powder coating
- High performance motor with thermal cut-off
- Able to be used over an ambient temperature range from - 10°C to +50°C
- Possible to install horizontally or vertically
- Optional guard and shutter available

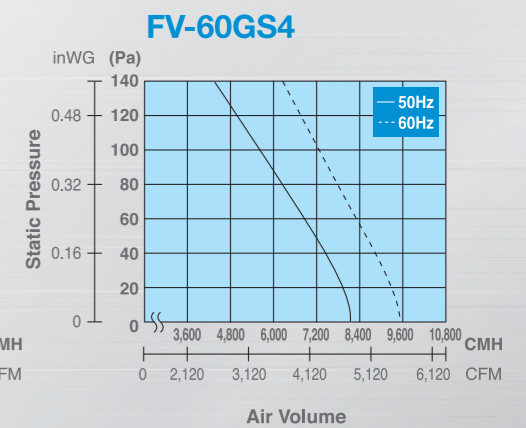
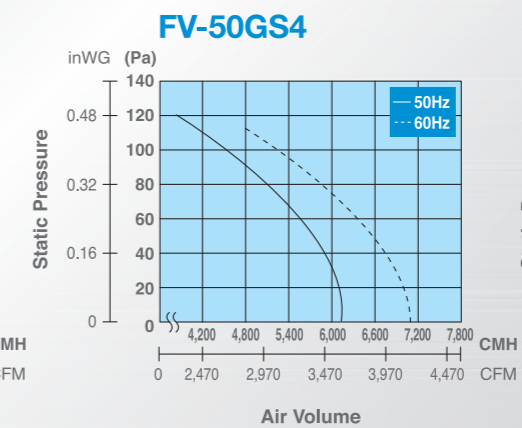
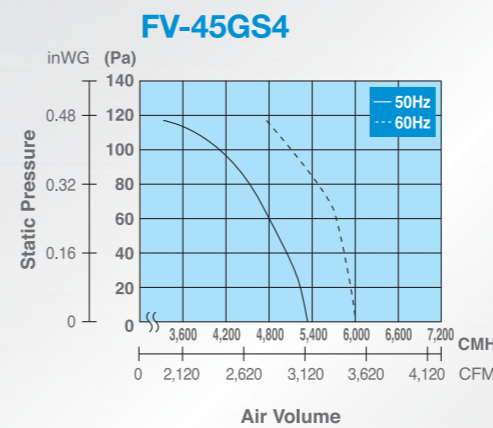


### Dimension Unit : mm

Model No.	A	B	C	D	E	F	G
FV-45GS4	450	570	540	-	320	297	12
FV-50GS4	500	659	620	560	355	315	15
FV-60GS4	620	760	720	650	400	320	15



### Performance Data (220V 50Hz/60Hz)



### Specification

Model No.	Hz	Consumption [W]	RPM [min <sup>-1</sup> ]	Air Volume		Noise [dB(A)]	Weight [kg]
				[CMH]	[CFM]		
FV-45GS4	50	227	1,410	5,200	3,061	51	19
	60	325	1,630	5,970	3,514	54	
FV-50GS4	50	249	960	6,130	3,608	47	22.5
	60	326	1,130	7,100	4,179	51	
FV-60GS4	50	245	970	8,040	4,732	50	34
	60	361	1,150	9,410	5,539	54	

Note : The value in Specification tables are representative characteristic value at 220V, 50/60Hz. RPM data is for reference only, values may vary subject to different conditions.

# High-Pressure Series

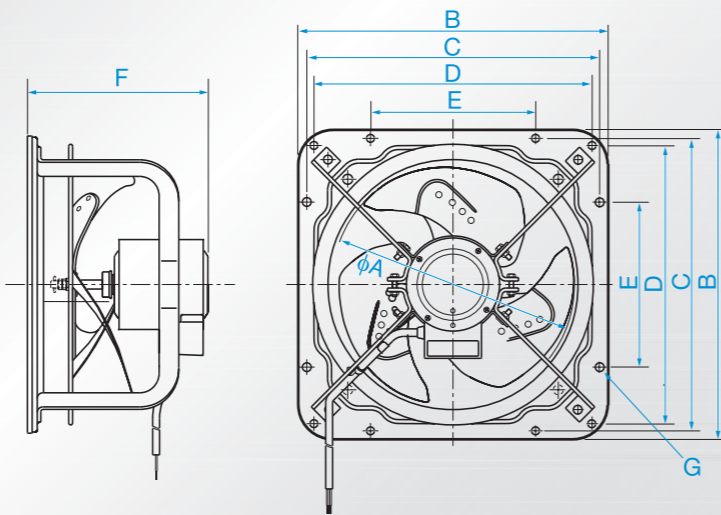
## FV-45GT4 / FV-50GT4 / FV-60GT4

- Three Phase
- Reversible by adjusting wiring and blade setting
- Bellmouth construction with distinctive wave-shape blade
- Durable powder coating
- High performance motor with thermal cut-off
- Able to be used over an ambient temperature range from - 10°C to +50°C
- Possible to install horizontally or vertically
- Optional guard and shutter available

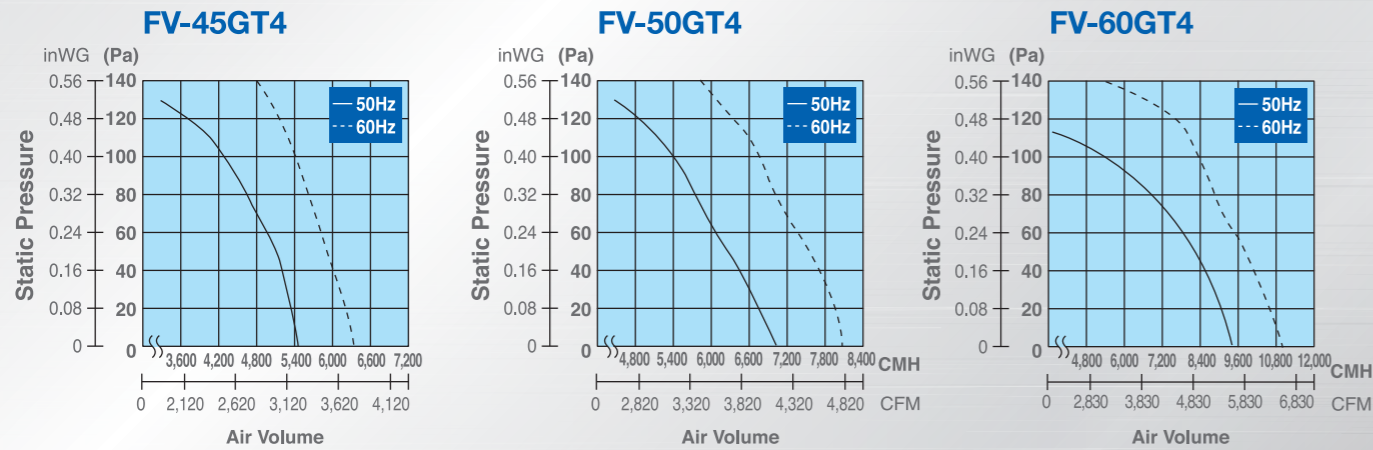


### Dimension Unit : mm

Model No.	A	B	C	D	E	F	G
FV-45GT4	450	570	540	-	320	297	12
FV-50GT4	500	659	620	560	355	304	15
FV-60GT4	620	760	720	650	400	320	15



### Performance Data (380V 50Hz/60Hz)



### Specification

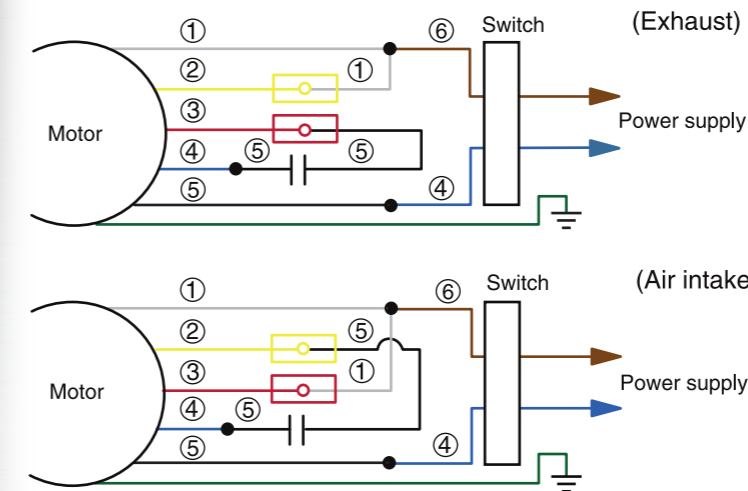
Model No.	Hz	Consumption [W]	RPM [min <sup>-1</sup> ]	Air Volume		Noise [dB(A)]	Weight [kg]
				[CMH]	[CFM]		
FV-45GT4	50	220	1,450	5,520	3,249	52	18.5
	60	330	1,690	6,420	3,779	56	
FV-50GT4	50	320	1,400	6,960	4,097	54	28.5
	60	475	1,590	8,010	4,715	58	
FV-60GT4	50	310	940	9,420	5,544	49	34
	60	450	1,070	10,920	6,427	53	

Note : The value in Specification tables are representative characteristic value at 380V, 50/60Hz. RPM data is for reference only, values may vary subject to different conditions.

# High-Pressure Series

## Wiring Diagram

For single-phase models

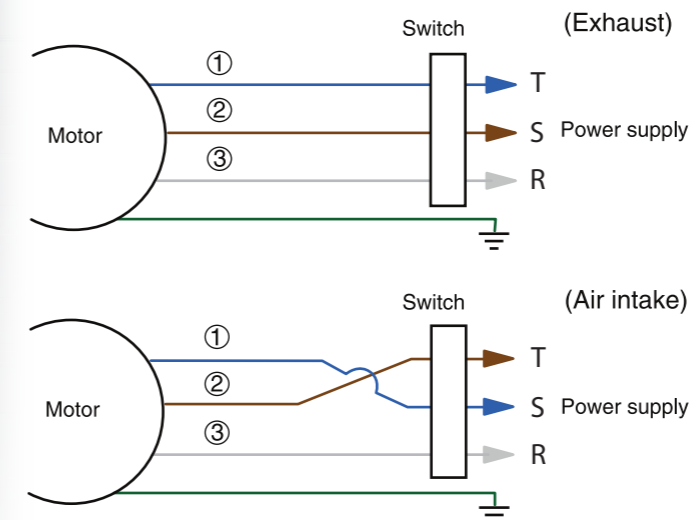


①	White
②	Yellow
③	Red
④	Blue
⑤	Black
⑥	Brown

### Intake Airflow (Reverse Rotation)

- 1) Exchange the connection of the wire ① and wire ⑤ as shown in the wiring diagram
- 2) Change the blade in reverse position by referring to operation instruction

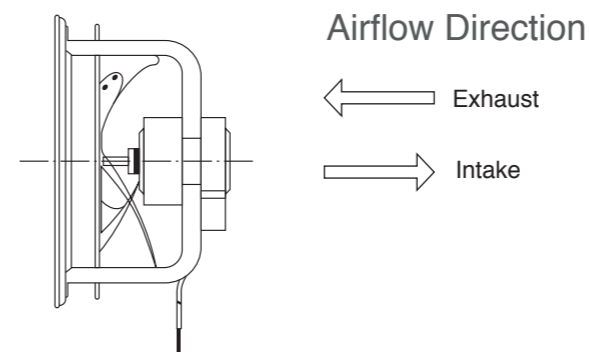
For three-phase models



①	Blue
②	Brown
③	White

### Intake Airflow (Reverse Rotation)

- 1) Reverse the connection of two wires among the three wires
- 2) Change the blade in reverse position by referring to operation instruction

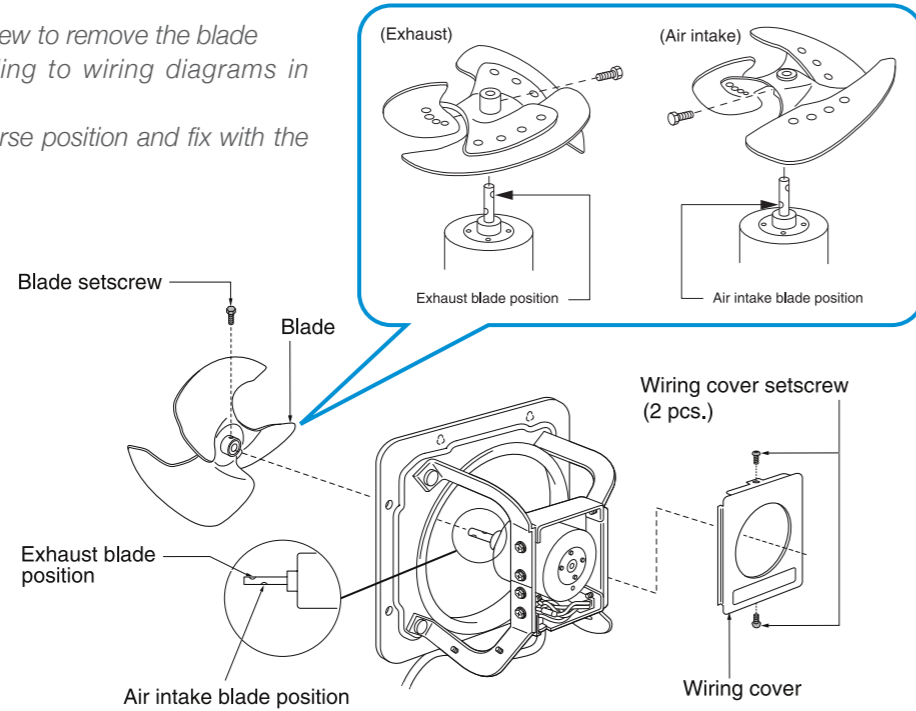


# High-Pressure Series

## Setting of Reverse Airflow

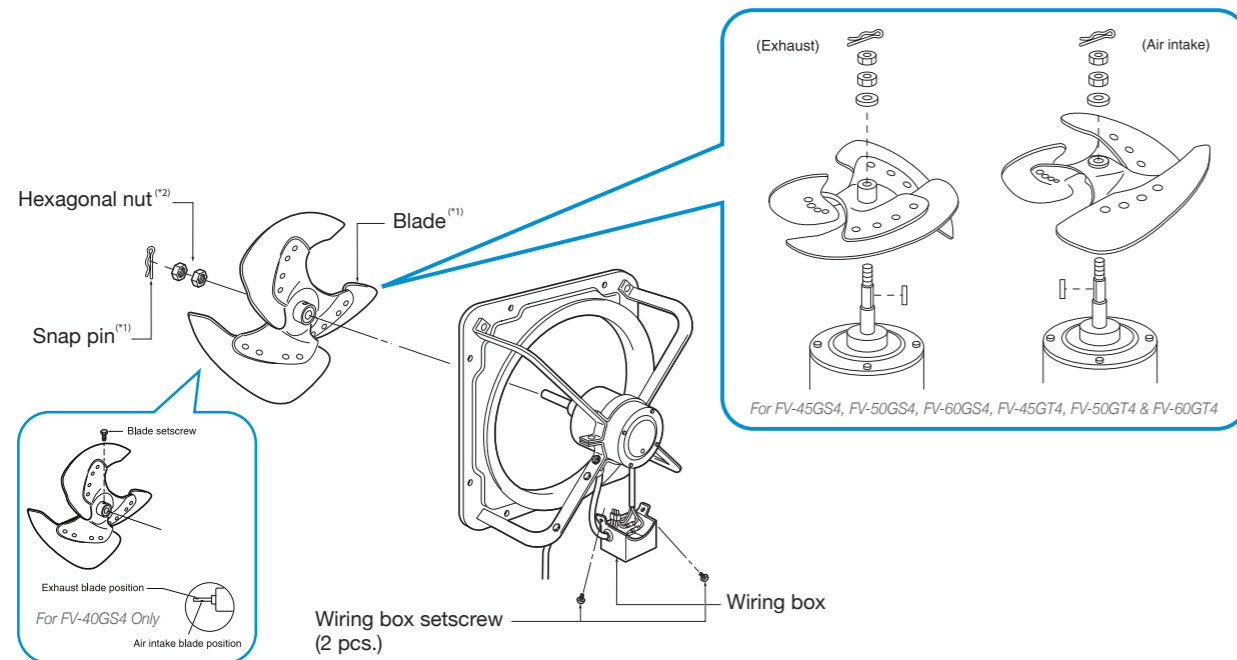
For FV-25GS4, FV-30GS4 and FV-35GS4

1. Loosen the blade setscrew to remove the blade
2. Set the wiring according to wiring diagrams in operation instruction
3. Mount the blade in reverse position and fix with the blade setscrew



For FV-40GS4, FV-45GS4, FV-50GS4, FV-60GS4, FV-45GT4, FV-50GT4 & FV-60GT4

1. Loosen the blade setscrew <sup>(1)</sup> or snap pin / hexagonal nut <sup>(2)</sup> to remove the blade
2. Set the wiring according to wiring diagrams in operation instruction
3. Mount the blade in reverse position and fix with the blade setscrew <sup>(1)</sup> or snap pin / hexagonal nut <sup>(2)</sup>



<sup>(1)</sup> For FV-40GS4

<sup>(2)</sup> For FV-45GS4, FV-50GS4, FV-60GS4, FV-45GT4, FV-50GT4 & FV-60GT4

\* Air volume of reverse airflow (intake) would be different from exhaust airflow

# Shutter Series

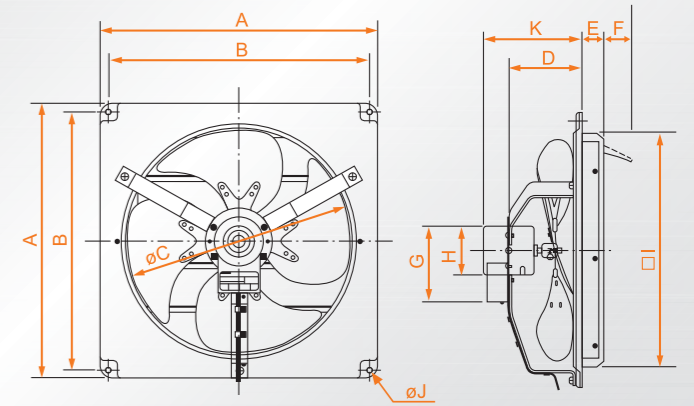
## FV-30KUT / FV-40KUT

- Used in factories, warehouses or other locations in where powerful ventilation is necessary
- Metal large blade assembly for abundant air volume
- Powerful, efficient and durable condenser motor
- Able to be used over an ambient temperature range of from -10°C to +50°C

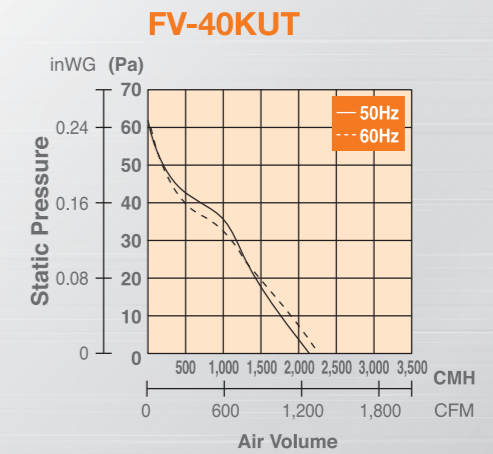
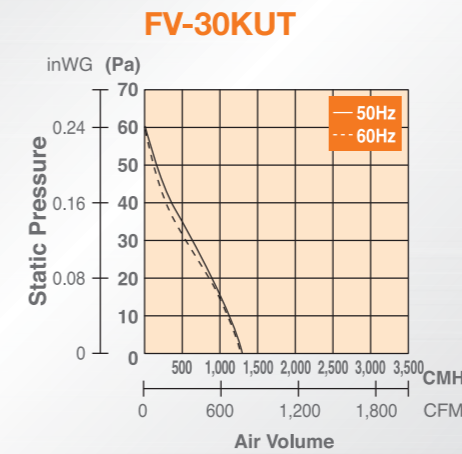


## Dimension Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K
FV-30KUT	420	385	305	116	34	40	141	90	340	10	164
FV-40KUT	510	480	410	133	40	52	141	90	434	10	181



## Performance Data (220V 50Hz/60Hz)



## Specification

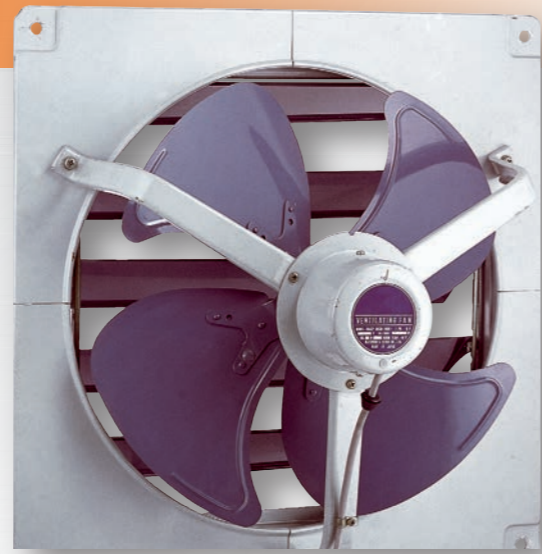
Model No.	Hz	Consumption [W]	RPM [min <sup>-1</sup> ]	Air Volume		Noise [dB(A)]	Weight [kg]
				[CMH]	[CFM]		
FV-30KUT	50	42	1,185	1,220	718	46	4.9
	60	51	1,255	1,270	747	47	
FV-40KUT	50	61	1,175	2,060	1,212	49	6.4
	60	76	1,260	2,190	1,288	51	

Note : The value in Specification tables are representative characteristic value at 220V, 50/60Hz. RPM data is for reference only, values may vary subject to different conditions.

# Shutter Series

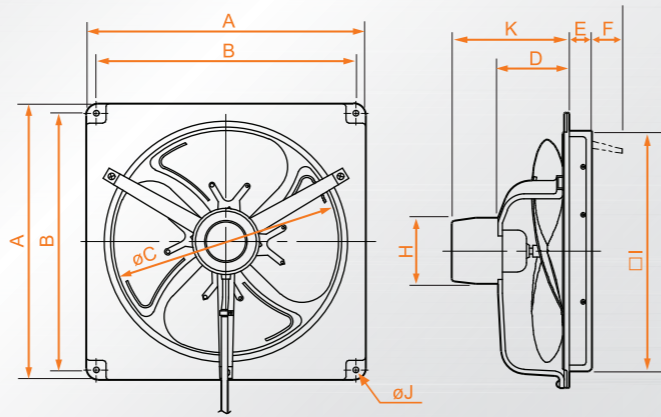
## FV-50AET2

- Used in factories, warehouses or other locations in where powerful ventilation is necessary
- Metal large blade assembly for abundant air volume
- Powerful, efficient and durable condenser motor
- Able to be used over an ambient temperature range of from -10°C to +50°C

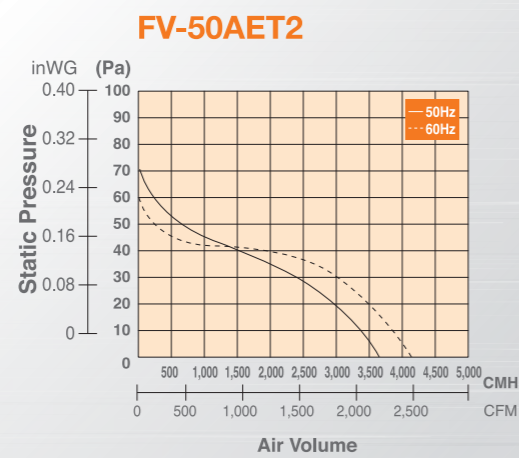


### Dimension Unit : mm

Model No.	A	B	C	D	E	F	G	H	I	J	K
FV-50AET2	650	600	500	181	48	63	-	175	526	12	283



### Performance Data (220V 50Hz/60Hz)



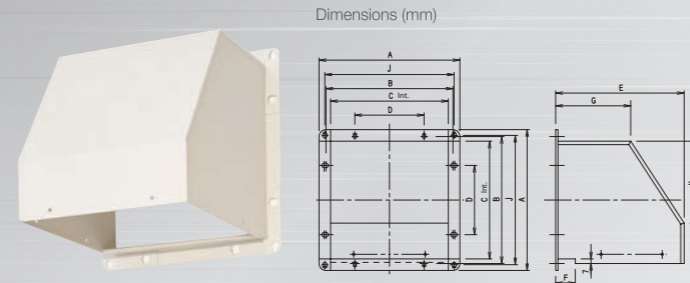
### Specification

Model No.	Hz	Consumption [W]	RPM [min <sup>-1</sup> ]	Air Volume		Noise [dB(A)]	Weight [kg]
				[CMH]	[CFM]		
FV-50AET2	50	108	920	3,630	2,137	54	11.5
	60	130	1,050	4,200	2,472	58	

Note : The value in Specification tables are representative characteristic value at 220V, 50/60Hz. RPM data is for reference only, values may vary subject to different conditions.

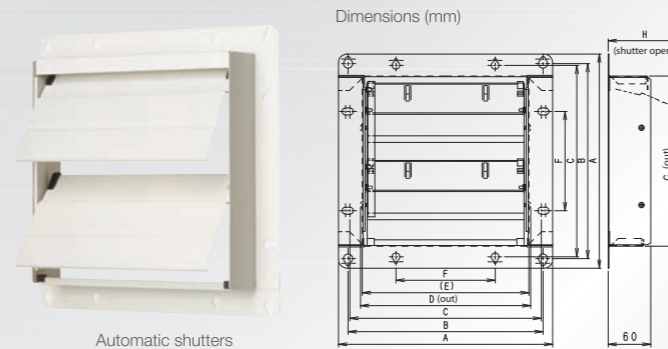
# Optional Accessories

## Outside Rain Hoods for High-Pressure Series



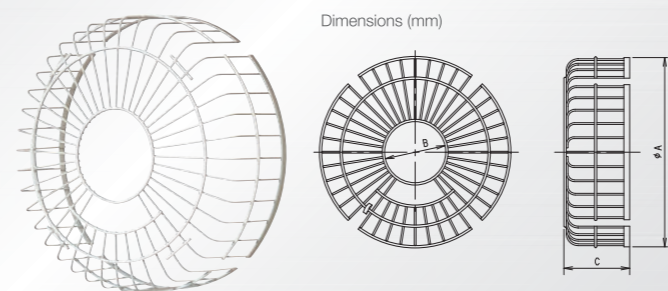
Model No	Material	Size	A	B	C	D	E	F	G	H	J
FY-HMX253	Stainless Steel	(25cm/10")	330	298	278	165	300	47	175	196	303
FY-HMS253	Steel	(25cm/10")	330	298	278	165	300	47	175	196	303
FY-HMX303	Stainless Steel	(30cm/12")	381	349	329	210	350	55	203	232	354
FY-HMS303	Steel	(30cm/12")	381	349	329	210	350	55	203	232	354
FY-HMX353	Stainless Steel	(35cm/14")	468	434	41	250	400	63	235	284	433
FY-HMS353	Steel	(35cm/14")	468	434	41	250	400	63	235	284	433
FY-HMX403	Stainless Steel	(40cm/16")	519	485	452	280	450	71	260	320	484
FY-HMS403	Steel	(40cm/16")	519	485	452	280	450	71	260	320	484
FY-HMX453	Stainless Steel	(45cm/18")	574	540	507	320	500	79	285	359	539
FY-HMS453	Steel	(45cm/18")	574	540	507	320	500	79	285	359	539
FY-HMX503	Stainless Steel	(50cm/20")	660	620	574	355	550	86	330	406	625
FY-HMS503	Steel	(50cm/20")	660	620	574	355	550	86	330	406	625
FY-HMX603	Stainless Steel	(60cm/24")	760	720	674	400	670	106	380	482	725
FY-HMS603	Steel	(60cm/24")	760	720	674	400	670	106	380	482	725

## Shutters for High-Pressure Series



Model No	Size	A	B	C	D	E	F	G	H	Nos of Shutter
FY-GAS253	(25cm/10")	330	303	298	268	263	165	268	137	2
FY-GAS303	(30cm/12")	381	354	349	319	314	210	319	122	3
FY-GAS353	(35cm/14")	468	433	434	389	384	250	389	137	3
FY-GAS403	(40cm/16")	519	484	485	440	435	280	440	122	4
FY-GAS453	(45cm/18")	574	539	540	492	487	320	492	137	5
FY-GAS503	(50cm/20")	660	625	620	545	540	355	545	122	5
FY-GAS603	(60cm/24")	760	725	720	662	657	400	662	122	6

## Wire-Guards for High-Pressure Series



Model No	Size	A	B	C
FY-GGS253	(25cm/10")	316	104	112
FY-GGS303	(30cm/12")	386	130	137
FY-GGS353	(35cm/14")	436	134	192
FY-GGS403	(40cm/16")	518	160	177
FY-GGS453	(45cm/18")	574	160	167
FY-GGS503	(50cm/20")	646	200	157
FY-GGS603	(60cm/24")	765	200	147