Window Mount Type Ventilating Fan Model Comparison

[V] 220 230 240 220 230 240	50 50 50 50 50 50 50	[m³/h] 230 230 230 445 445	135 135 135 262 262	[W] 13 14 15 20	[dB(A)] 43 43	[kg]	[mm] Ø186 - Ø188
220 230 240 220 230 240	50 50 50 50 50	230 230 445 445	135 135 262	14 15	43	1.4	M194 M199
230 240 220 230 240	50 50 50 50	230 230 445 445	135 135 262	14 15	43	1.4	Ø194 Ø199
240 220 230 240	50 50 50	230 445 445	135 262	15		1.4	Ø194 Ø199
220 230 240	50 50	445 445	262		/0		ססוש- ססוש
230 240	50	445		20	43		
240			262	20	42	2.6	
	50	445	(-)///	21	42		Ø247 - Ø250
		1.10	262	22	42		
tter Se	ries						
	50	210	124	14	43		
220	60	222	131	18	44	0.9	
230	50	222	131	15	44		Ø186 - Ø188
240	50	228	134	16	44		
220	50	210	124	14	43		
220	50	380	224	15	42	4.7	
230	50	390	230	16	42.5		Ø247 - Ø250
240	50	402	237	17.5	43	1.4	W247 - W250
220	50	380	224	15	42		
Shutte							
220							
						2 2	2022
						0.9	Ø186 - Ø188
220							
220							
000						1.1	00/7 00F0
						1.1	Ø247 - Ø250
	220 230 240 220 220 230 240 220 Shutte 220 230 240 220	220 60 230 50 240 50 220 50 220 50 230 50 240 50 240 50 240 50 220 50 Shutter Series 220 60 230 50 240 50 220 50 240 50 240 50 220 50 220 50 230 50 240 50 240 50	220	220 50 210 124 60 222 131 230 50 222 131 240 50 228 134 220 50 210 124 220 50 380 224 230 50 390 230 240 50 402 237 220 50 380 224 Shutter Series 220 50 210 124 60 200 118 230 50 220 129 240 50 230 135 220 50 210 124 220 50 210 124 220 50 360 212 220 60 360 212 230 50 380 224 230 50 380 224 240 50 400 235	220 50 210 124 14 60 222 131 18 230 50 222 131 15 240 50 228 134 16 220 50 210 124 14 220 50 380 224 15 230 50 390 230 16 240 50 402 237 17.5 220 50 380 224 15 Shutter Series 220 50 210 124 8.1 60 200 118 8.9 230 50 220 129 8.8 240 50 230 135 9.5 220 50 210 124 8.1 220 50 210 124 8.1 220 50 360 212 16.4 60 360 212 16.4 60 360 212 19 23	220 50 210 124 14 43 230 60 222 131 18 44 230 50 222 131 15 44 240 50 228 134 16 44 220 50 210 124 14 43 220 50 380 224 15 42 230 50 390 230 16 42.5 240 50 402 237 17.5 43 220 50 380 224 15 42 Shutter Series Shutter Series Shutter Series 220 50 210 124 8.1 35 220 50 220 129 8.8 36 240 50 230 135 9.5 37 220 50 210 124 8.1 35 220 50 210 124 8.1 35 220 50 360 212 16.4 32	220

1. The value of power consumption, air volume and noise are specified at static pressure of 0 Pa
2. The value of air volume is the mean value measured by our company.
3. The value of noise level is the average of three values measured at 1m apart from left, right and front of product.
4. The value of noise level is A weight average sound pressure level measured by our company.

Panasonic

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

CATALOG NO: P-VF023A1

Panasonic







WINDOW MOUNT TYPE

VENTILATING FAN

FEATURES OF

ELECTRIC SHUTTER SERIES

WINDOW MOUNT TYPE

VENTILATING FAN

Rain proof and wind resistible

Hood structure for prevention of rain water ingression

High static pressure blade can prevent ingression of rain and wind during operation



Newly designed shutter can keep out the entry of rain water effectively



Bent End Structure of the shutter can block the backflow of outside wind

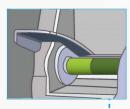
No Gasket / No Silicon Seal

□ FV-15WH3T / FV-20WH3T



- Electrically Operated Shutter
- Advanced design hood structure to prevent from rain and wind
- Suitable for window glass with thickness of 3mm to 25mm
- Simple and Easy installation, no need of any silicon seal or gasket

Easy installation



Mounting Bracket

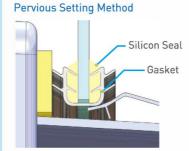
Unique design of mounting bracket can fix the fan on glass plate with simple process





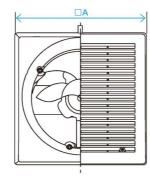
e.g. FV-15WH3T

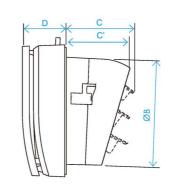
Orifice is not necessary to detach for installation. Simply fix the fan on glass plate by screws at front.



Both gasket & silicon seal are not required for FV-15WH3T/FV-20WH3T

Dimensions (Unit: mm)



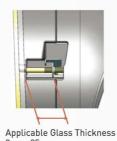


Model	Α	В	С	C'	D
FV-15WH3T	224	182	117	111	72
FV-20WH3T	288	243	120	117	74

High adaptability

New mounting design allows the fan to be fixed on glass plate of thickness from 3mm up to 25mm with ease





Double glass

Often called insulated glass that consists of two panes of glass set apart to allow airspace in. This airspace acts as a buffer which obstructs the transfer of heat from one side of the glass to the other.









Bathroom

Toilet

Office

Specifications

Model No. [V	Voltage		Air Volume		Consumption	Noise	Weight	Installation Space
	[V]	[Hz]	[m ³ /h]	[CFM]	[W]	[dB(A)]	[kg]	[mm]
	220	50	230	135	13	43	1.4	
FV-15WH3T	230	50	230	135	14	43		Ø186 - Ø188
	240	50	230	135	15	43		
	220	50	445	262	20	42		
FV-20WH3T	OWH3T 230	50	445	262	21	42	2.6	Ø247 -Ø250
	240	50	445	262	22	42		

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FEATURES OF AUTOMATIC SHUTTER SERIES

WINDOW MOUNT TYPE VENTILATING FAN

Auto Shutter

The backdraft shutters will be opened by air pressure during operation and closed automatically for air-tightness when the fan is switched off.





Advanced Blade Design



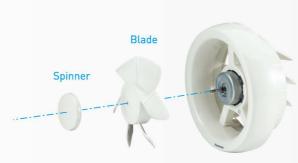
Leading Edge forms no obstacle to airflow that streamlines airflow from every direction

Air Foil Chip is to reduce turbulence at rear edge, and the curvature of front edge is improved for smooth airflow that minimizes fan noise as well.



Higher Static Pressure

Newly designed blade can sustain higher static pressure that can withstand more pressure from outside wind.



Easy Maintenance

The blade can be detached by simply loosening the spinner, that facilitates the periodical maintenance.





Bathroom

Toilet

Office

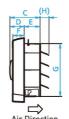
☐ FV-15WA1 / FV-20WA1 / **FV-15WAT2 / FV-20WAT2**

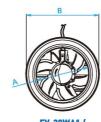


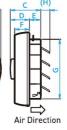
- Automatic shutter
- High Performance Condenser motor with thermo cut-off
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design
- Removable blade for easy maintenance

Dimensions (Unit: mm)









Model	Α	В	С	D	Е	F	G	H (Max)
V-15WA1 / V-15WAT2	150	212	100	47	53	38	175	(30)
V-20WA1 / V-20WAT2	206	290	122	76	46	59	237	[36]

Specifications

Model No.	Voltage		Air Volume		Consumption	Noise	Weight	Installation Space	
Model No.	[V]	[Hz]	[m ³ /h]	[CFM]	[W]	[dB(A)]	[kg]	[mm]	
	000	50	210	124	14	43	0.9		
EV 15\A/A1	220	60	222	131	18	44		0.9	
FV-15WA1	230	50	222	131	15	44			Ø186 - Ø188
	240	50	228	134	16	44			
FV-15WAT2	220	50	210	124	14	43			
	220	50	380	224	15	42	1.4		
FV-20WA1	230	50	390	230	16	42.5		Ø247 - Ø250	
	240	50	402	237	17.5	43		WZ47 - WZ30	
FV-20WAT2	220	50	380	224	15	42			

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CORD-OPERATED SHUTTER SERIES

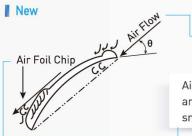
VENTILATING FAN

\square High performance condenser motor with long life bearing

- Low power consumption (50% down VS previous model)
- Low noise level (6% down VS previous model)
- Long life up to 40,000 hours (1.5 time VS previous model)
- Comply with IPX4 (outside)



Advanced Blade Design



Leading Edge forms no obstacle to airflow that streamlines airflow from every direction

Air Foil Chip is to reduce turbulence at rear edge, and the curvature of front edge is improved for smooth airflow that minimizes fan noise as well.



Air Foil Chip

Strengthened Shutter Structure



Resistant to strong wind



Metallic shutter axis is used as the supporter for movement of shutter that provides a better endurance.



Easy Maintenance

The blade can be detached by simply loosening the spinner, that facilitates the periodical maintenance.









Bathroom

Toilet

Office

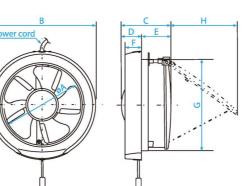
☐ FV-15WU4 / FV-20WU4 / **FV-15WUT4 / FV-20WUT4**

WINDOW MOUNT TYPE



- I HP condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design
- Shutter operated by pull cord
- Metallic shutter axis

Dimensions (Unit: mm)



Model	Α	В	С	D	Е	F	G	Н
FV-15WU4 / FV-15WUT4	150	210	97	43	54	37	177	149
FV-20WU4 / FV-20WUT4	200	271	98	36	62	36	237	201

Specifications

Model No.	Voltage		Air Volume		Consumption	Noise	Weight	Installation Space
Model No.	[V]	[Hz]	[m ³ /h]	[CFM]	[W]	[dB(A)]	[kg]	[mm]
	220	50	210	124	8.1	35		
EV 45\4014	220	60	200	118	8.9	34		
FV-15WU4	230	50	220	129	8.8	36	0.9	Ø186 - Ø188
	240	50	230	135	9.5	37		
FV-15WUT4	220	50	210	124	8.1	35		
	220	50	360	212	16.4	32	1.1	
EV 20M/11/	220	60	360	212	19	31		
FV-20WU4	230	50	380	224	17.9	34		Ø247 - Ø250
	240	50	400	235	19.5	36		
FV-20WUT4	220	50	360	212	19	32		

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