Window Mount Type Ventilating Fan Model Comparison

Model Vo	Voltage	e Frequency	CFM/SONE AT	RPM	Watts*	Watts**				
riodet	Vottage		inches of H ₂ O	0	0.05	0.1	0.15		FOR AMCA	FOR IEC
EV/ 15\\/LIOT	220V	60Hz	CFM Sones	127 3.0	94 3.6	63 3.5	31 3.9	2440	14.6	13
FV-15WH3T	240V	50Hz	CFM Sones	127 2.3	95 2.7	68 3.5	50 2.8	2537	16	15
FV-20WH3T	220V	60Hz	CFM Sones	250 3	188 3.9	127 4.5	78 4.2	1517	24.4	22
	240V	50Hz	CFM Sones	230 2.8	147 3.8	103 3.4	53 4	1333	23.4	22

Model Voltage	Voltage	Frequency	CFM/SONE AT	RPM	Watts*	Watts**				
Model	vottage	rrequeriey	inches of	H20 0	0.02	0.04	0.06		FOR AMCA	FOR IEC
Γ\/ 15\Λ/Λ1	220V	60Hz	CFM Sones	124 3.6	109 4.5	91 4.1	79 4	2021	19.6	18
FV-15WA1	240V	50Hz	CFM Sones	124 2.5	109 4.5	93 4.1	78 3.8	2062	18.2	16
Ε\/ 20\\/ Δ1	220V	60Hz	CFM Sones	206 3.7	147 3.8	124 3.5	94 3.3	1385	18.4	17
FV-20WA1	240V	50Hz	CFM Sones	165 3.4	153 3.3	141 3.4	131 3.4	1375	18.6	17.5

Model	Voltage	Frequency	CFM/SONE AT	STATIC Pr	RPM	Watts*	Watts**			
Modet	voltage		inches of H ₂ O	0	0.01	0.02	0.03		FOR AMCA	FOR IEC
C\/ 1 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	220V	60Hz	CFM Sones	105 0.9	94 0.9	79 2.2	66 2.4	1425	9.7	8.9
FV-15WU4	240V	50Hz	CFM Sones	124 1.4	115 1.6	104 1.8	94 3.7	1722	10.3	9.5
			inches of H ₂ O	0	0.02	0.03	0.04			
E\/_20\\/ /	220V	60Hz	CFM Sones	188 0.8	129 1.2	112 1.8	88 1.4	980	19.2	17.9
FV-20WU4	240V	50Hz	CFM Sones	221 1.8	168 1.6	141 2.2	118 2.0	1096	18.5	17.2

Performance certified is for installation type A: Free Inlet, Free Outlet. Performance ratings include the effects of a shutter. The Speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H2O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free Inlet hemispherical sone levels.

* the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H2O.

Panasonic

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

CATALOG NO: P-AMCA002 Printed in Hong Kong April 2022



^{**} the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

FEATURESOF

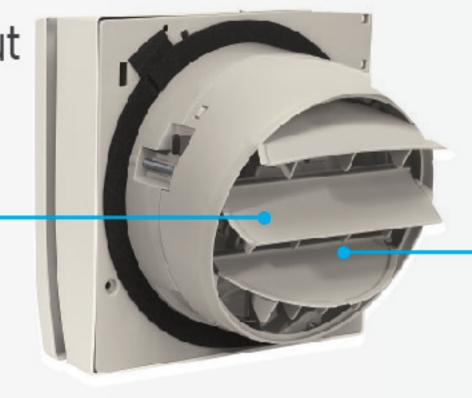
ELECTRIC SHUTTER SERIES

Rain proof and wind resistible

Hood structure forprevention of rain water ingression

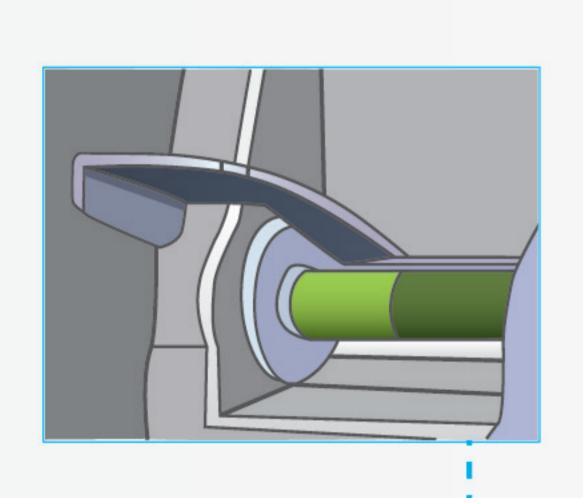
High static pressure blade can prevent ingression of rain & wind during operation

Newly designed shutter can keep out entry of rain water effectively



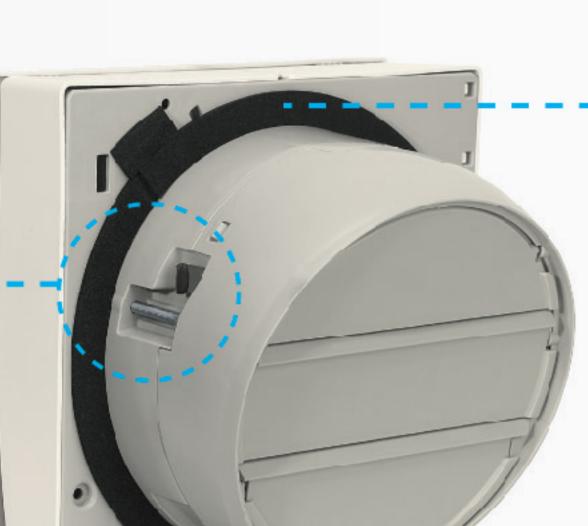
Bent End Structure of the shutter can block the backflow of outside wind

Easy installation



Mounting Bracket

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

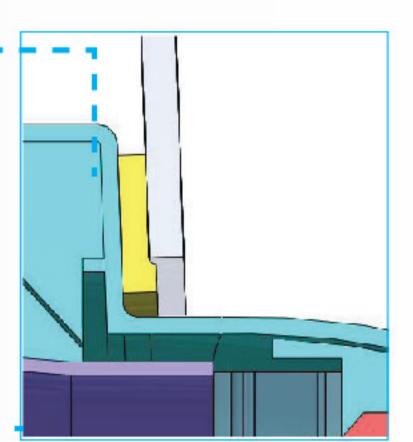


e.g. FV-15WH3T

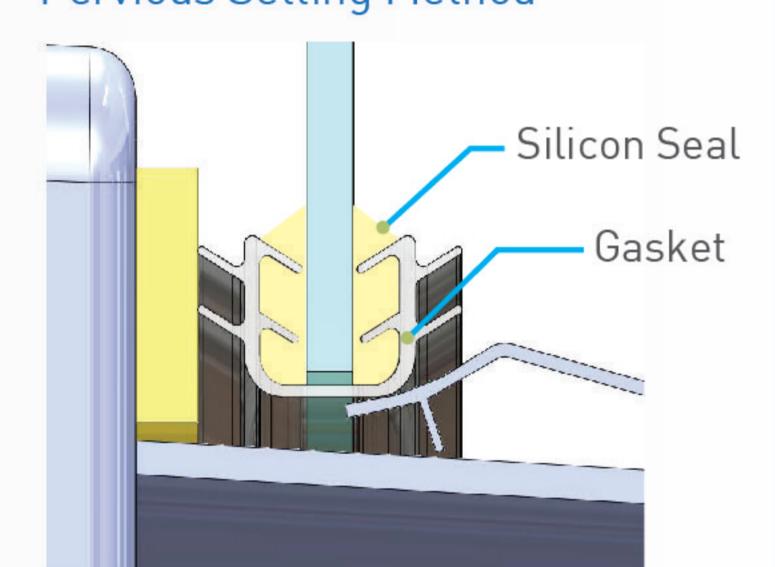
Orifice is not necessary to detach for installation. Simply fix the fan on glass plate by screws ar front.

Packing ----------No Gasket / No Silicon Seal

Attached packing tightly closes to the glass plate that gets rid of water leakage to indoor



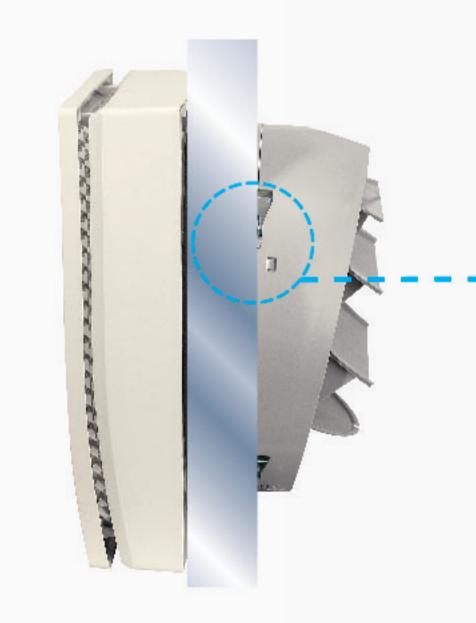
Pervious Setting Method

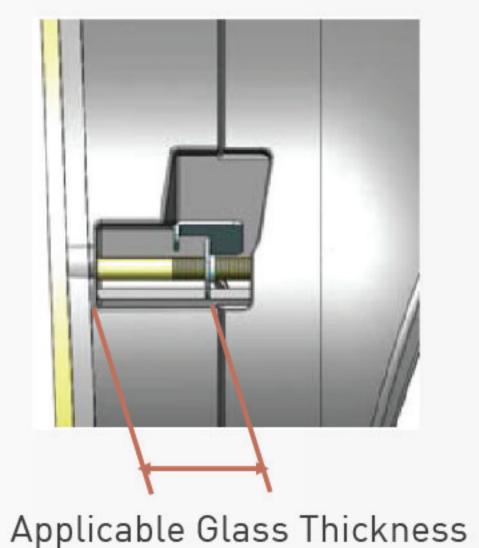


Both gasket & silicon seal are not required for FV-15WH3T/FV-20WH3T

High adaptability

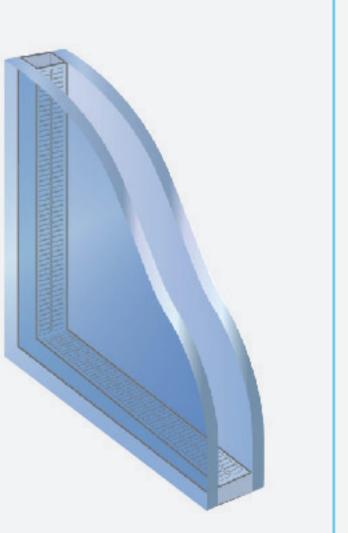
New mounting design allows the fan to be fixed on glass plate of thickness from 3mm up to 25mm with ease





Often called insulated glass, this kind of glassis constructed of two panes of glass set apart to allow airspace in between. This airspace acts as a buffer which obstructs the transfer of heat from one side of the glass to the other.

Double glass





3mm-25mm



Bathroom

Toilet

Office

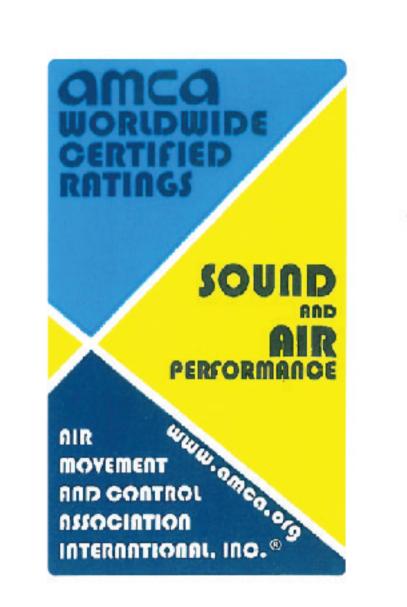
WINDOW MOUNT TYPE

VENTILATING FAN

ELECTRIC SHUTTER SERIES

FV-15WH3T / FV-20WH3T

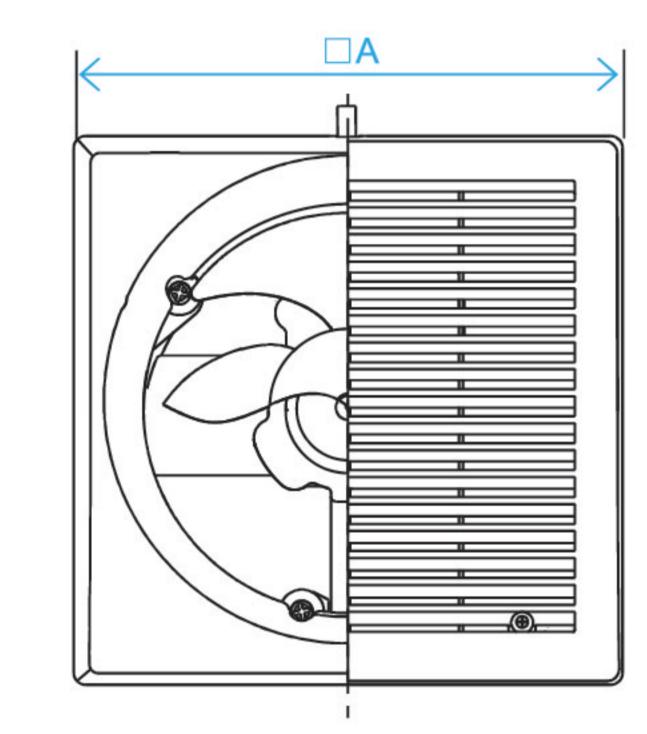


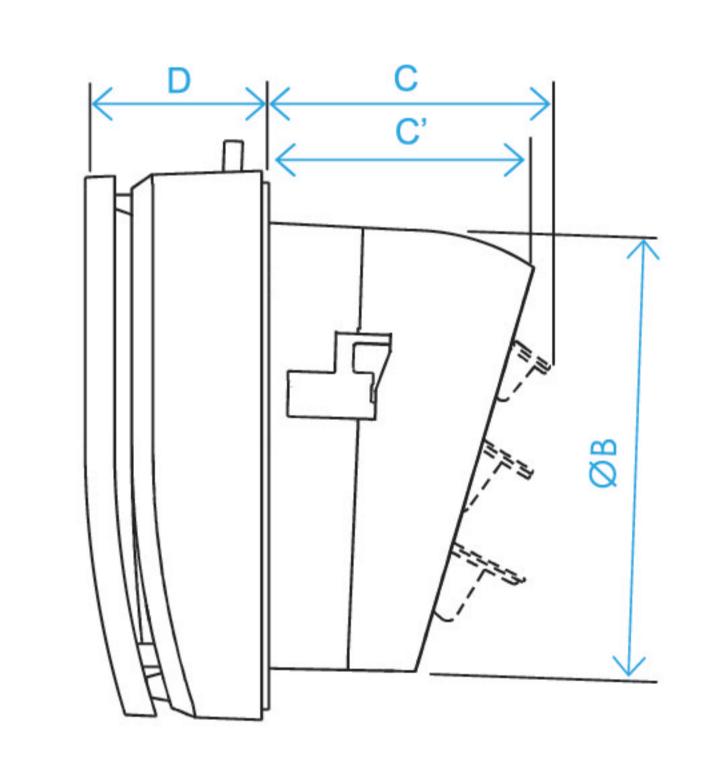


Panasonic Ecology Systems Co., Ltd. and Panasonic Life Solutions Vietnam Co., Ltd. certify that the window mount series models shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

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

Dimensions (Unit: mm)





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

Specifications

Model Voltage	Voltage	Frequency	CFM/SONE AT	of H ₂ O)	RPM	Watts*	Watts**			
	vottage		inches of H ₂ O	0	0.05	0.1	0.15	IXI IVI	FOR AMCA	FOR IEC
	220V	60Hz	CFM Sones	127 3.0	94 3.6	63 3.5	31 3.9	2440	14.6	13
FV-15WH3T	240V	50Hz	CFM Sones	127 2.3	95 2.7	68 3.5	50 2.8	2537	16	15
FV-20WH3T	220V	60Hz	CFM Sones	250 3	188 3.9	127 4.5	78 4.2	1517	24.4	22
	240V	50Hz	CFM Sones	230 2.8	147 3.8	103 3.4	53 4	1333	23.4	22

Performance certified is for installation type A: Free Inlet, Free Outlet. Performance ratings include the effects of inlet grille and shutter. The Speed (RPM) and Watts rating shown are at the static pressure of 0 inch of H2O. The sound ratings shown are loudness values in fan sones at 5 ft. (1.5m) in a hemispherical free field calculated per AMCA International Standard 301. Values shown are for installation type A: Free Inlet hemispherical sone levels.

^{*} the Watts rating is only for AMCA test method and it is at the static pressure of 0 inch of H₂O.

^{**} the Watts rating is only for IEC test method and the AMCA Certified Ratings Seal does not apply to IEC test method watts.

FEATURES OF

AUTOMATIC SHUTTER SERIES

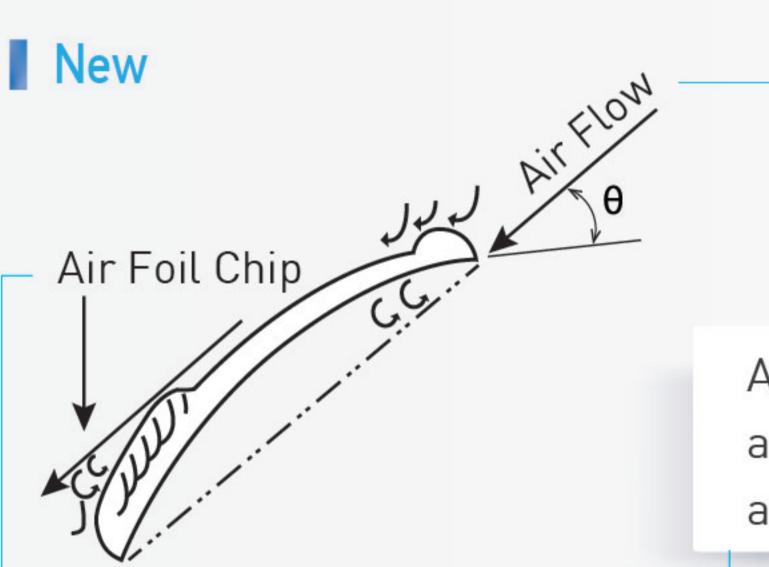
Auto Shutter

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



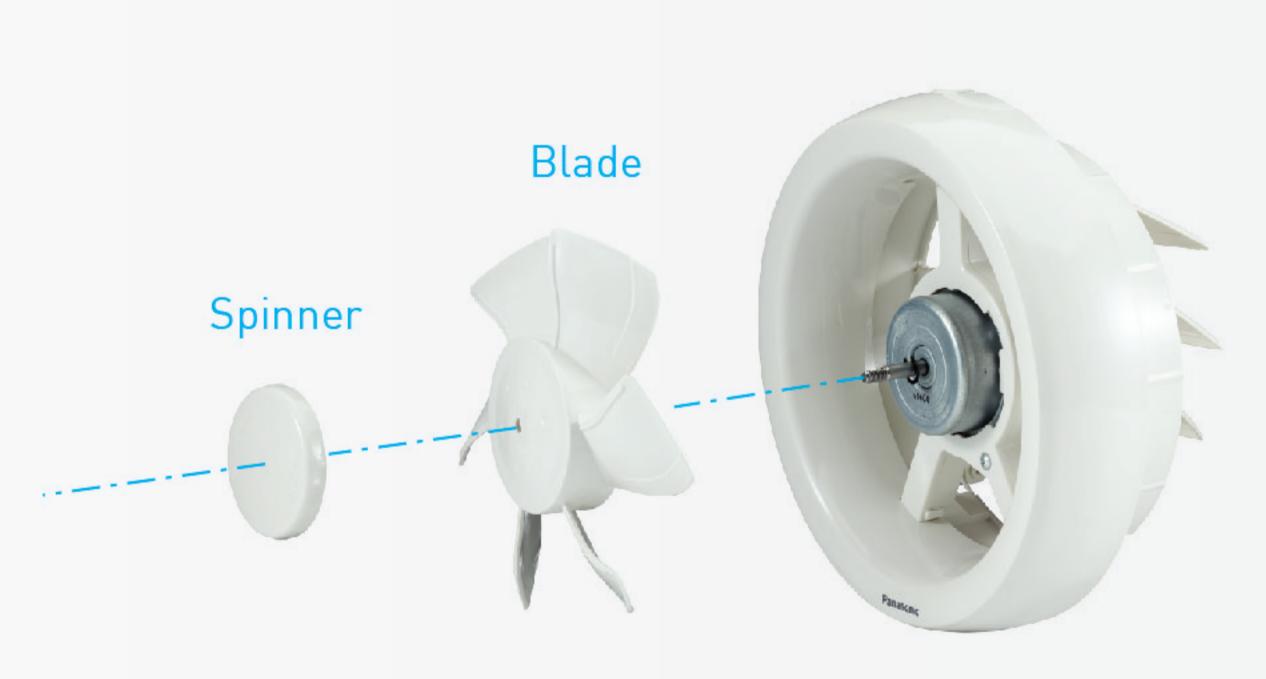
Leading Edge forms no obstacle to airflow that streamlines airflow from every direction

Air Foil Chip is to reduce turbulence at rear edge, and curature 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

WINDOW MOUNT TYPE

VENTILATING FAN

AUTOMATIC SHUTTER SERIES

FV-15WA1 / FV-20WA1

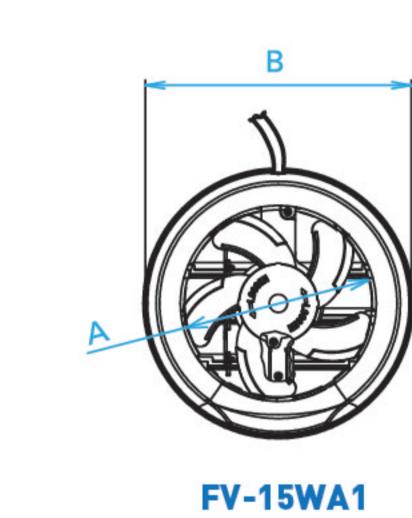


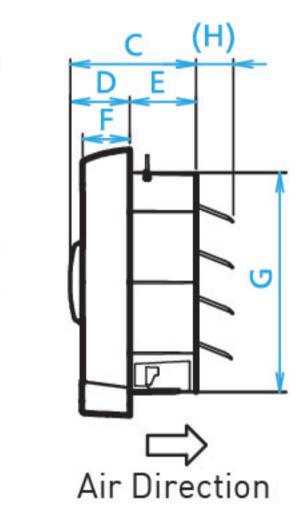


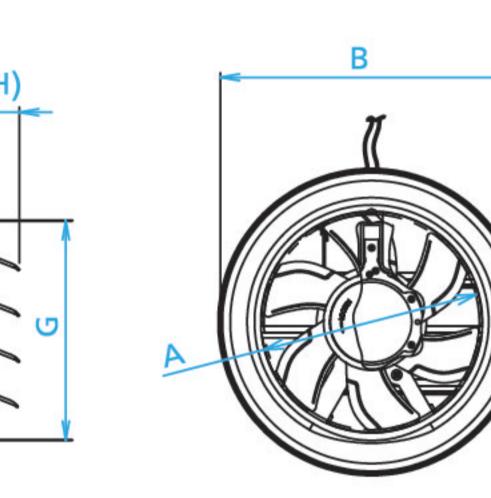
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- Automatic shutter
- High Performance Condenser motor with thermo cut-off
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advance blade design
- Removable blade for easy maintenance

Dimensions (Unit: mm)







Model	Α	В	С	D	Ε	F	G	H (Max)
FV-15WA1	150	212	100	47	53	38	175	(30)
FV-20WA1	206	290	122	76	46	59	237	(36)

Specifications

Model	Voltage	Frequency	CFM/SONE AT	of H ₂ O)	RPM	Watts*	Watts**			
riodet	Vottage		inches of H ₂ O	0	0.02	0.04	0.06		FOR AMCA	FOR IEC
	220V	60Hz	CFM Sones	124 3.6	109 4.5	91 4.1	79 4	2021	19.6	18
FV-15WA1	240V	50Hz	CFM Sones	124 2.5	109 4.5	93 4.1	78 3.8	2062	18.2	16
Ε\/ 20\Λ/Λ1	220V	60Hz	CFM Sones	206 3.7	147 3.8	124 3.5	94 3.3	1385	18.4	17
FV-20WA1	240V	50Hz	CFM Sones	165 3.4	153 3.3	141 3.4	131 3.4	1375	18.6	17.5

Air Direction

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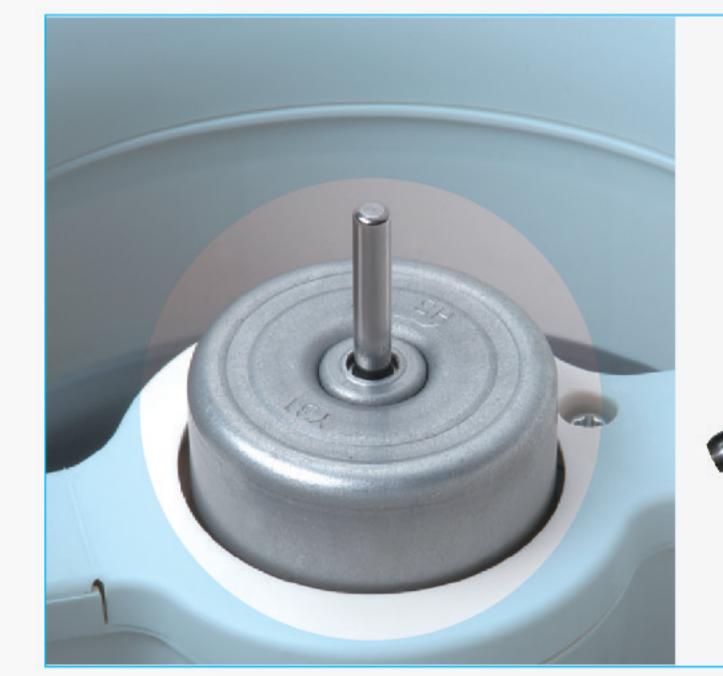
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FEATURESOF

CORD-OPERATED SHUTTER SERIES

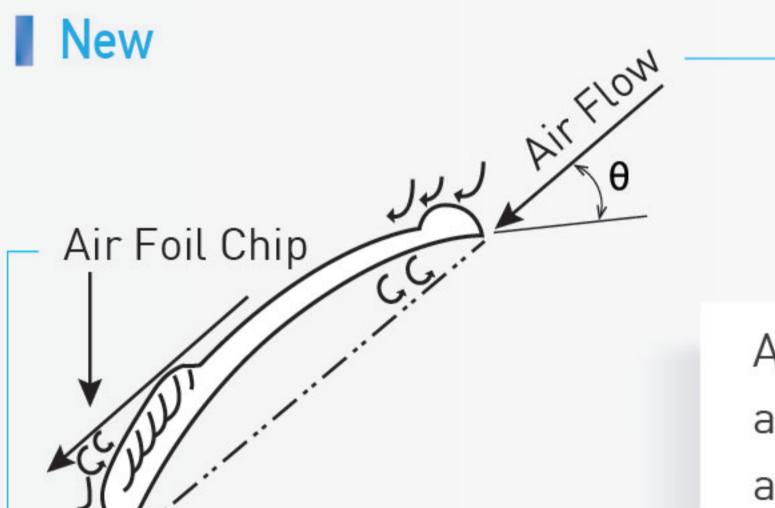
High performance condenser motor with long life bearing

- 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 curature of front edge is improved for smooth airflow that minimizes fan noise as well.



Air Foil Chip

Strengthened Shutter Structure

- Durable
- Sustainable to strong wind

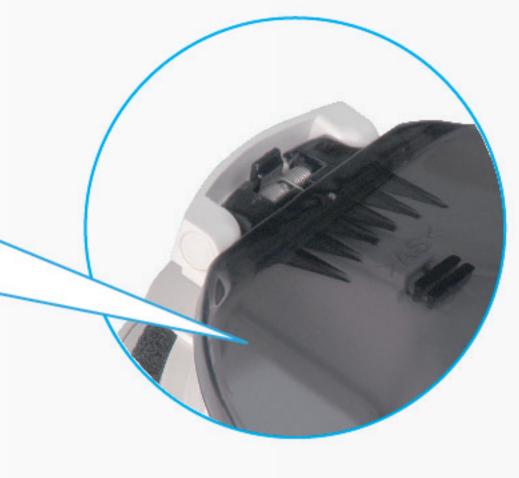




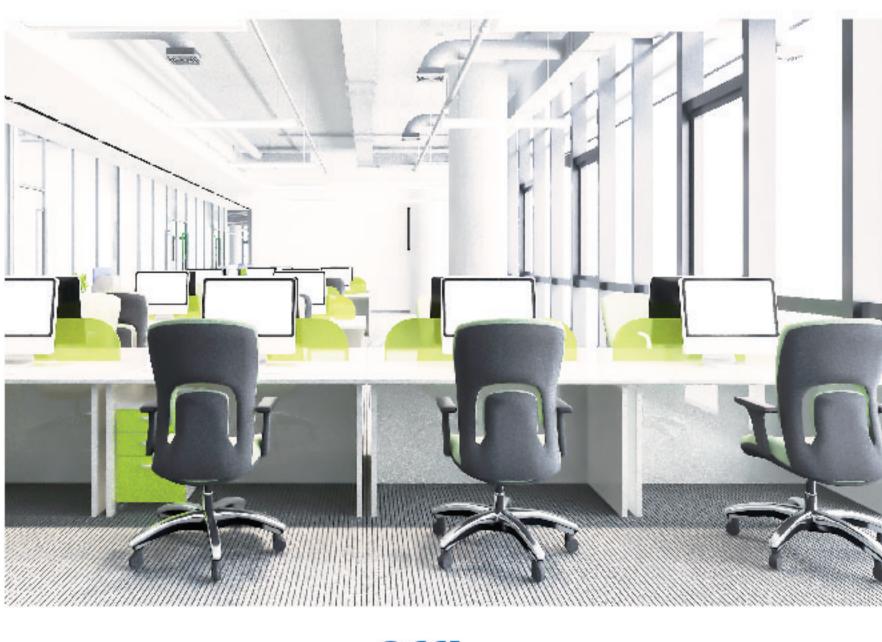


Easy Maintenance

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







Bathroom

Toilet

Office

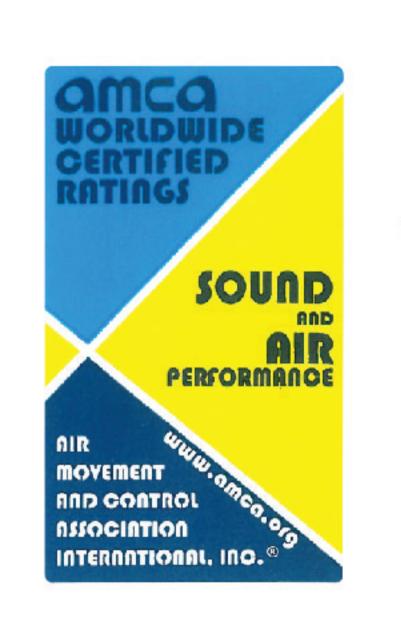
WINDOW MOUNT TYPE

VENTILATING FAN

CORD-OPERATED SHUTTER SERIES

FV-15WU4 / FV-20WU4

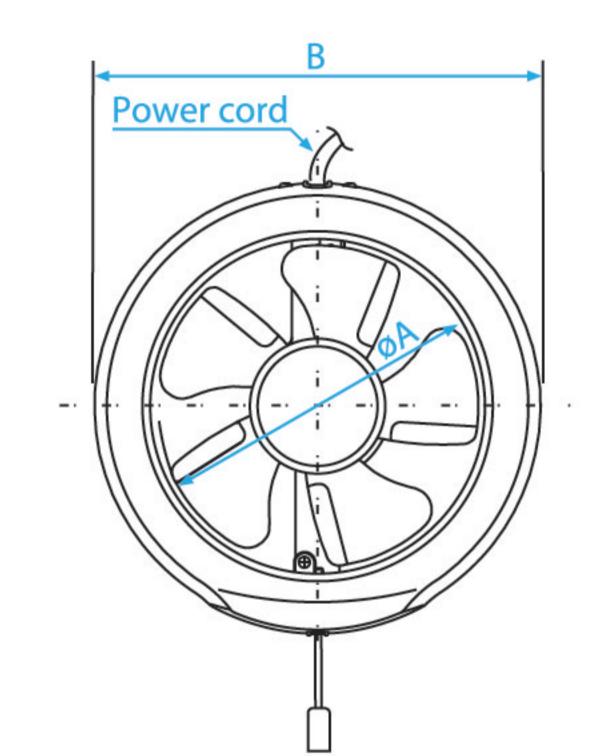


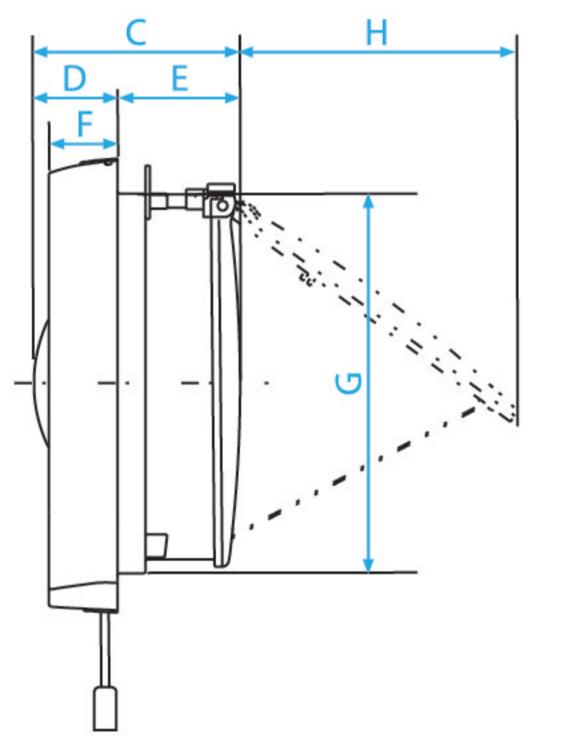


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- HP condenser motor with thermal cutoff
- Well lubricated bearing for long life operation
- Propeller fan incorporated with advanced blade design
- Shutter operated by pull cord
- Metallic shutter axis

Dimensions (Unit: mm)





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

Specifications

Model Voltage	Voltage	Frequency	CFM/SONE AT	STATIC Pr	essure (p	s-inches	of H ₂ O)	RPM	Watts*	Watts**
	Vottage	rrequericy	inches of H ₂ O	0	0.01	0.02	0.03		FOR AMCA	FOR IEC
	220V	60Hz	CFM Sones	105 0.9	94 0.9	79 2.2	66 2.4	1425	9.7	8.9
FV-15WU4	240V	50Hz	CFM Sones	124 1.4	115 1.6	104 1.8	94 3.7	1722	10.3	9.5
			inches of H ₂ O	0	0.02	0.03	0.04			
FV-20WU4	220V	60Hz	CFM Sones	188 0.8	129 1.2	112 1.8	88 1.4	980	19.2	17.9
	240V	50Hz	CFM Sones	221 1.8	168 1.6	141 2.2	118 2.0	1096	18.5	17.2

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