# Window Mount Type Ventilating Fan



Automatic Shutter Series



Cord-operated Shutter Series

# FEATURES OF AUTOMATIC SHUTTER SERIES

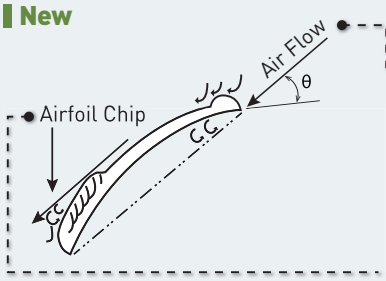
## Auto Shutter

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



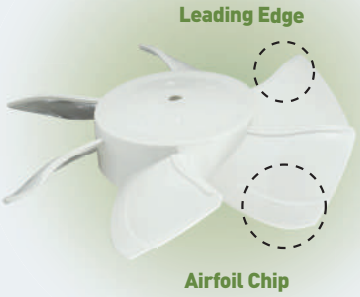
## Advanced Blade Design

**New**



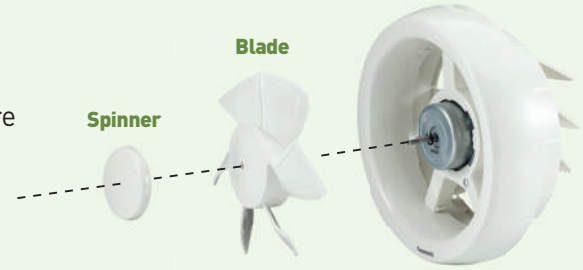

Leading Edge forms no obstacle to air flow that streamlines air flow from every direction

Airfoil Chip is to reduce turbulence at rear edge, and the curature of front edge is improved for smooth air flow 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

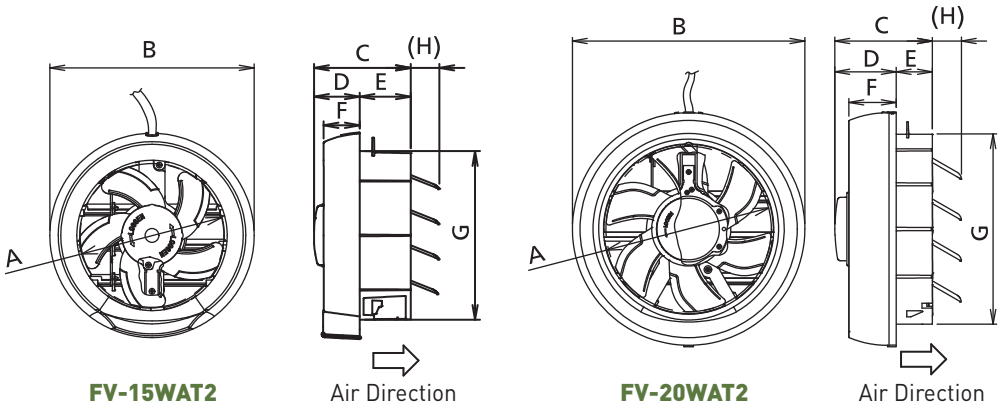
# FV-15WAT2
# FV-20WAT2



- 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

## Dimension

**Unit : mm**




Unit: mm

| Model No. | A | B | C | D | E | F | G | H (Max) |
|---|---|---|---|---|---|---|---|---|
| FV-15WAT2 | 150 | 212 | 100 | 47 | 53 | 38 | 175 | (30) |
| FV-20WAT2 | 206 | 290 | 122 | 76 | 46 | 59 | 237 | (36) |

## Specification

| Model No. | Voltage / Frequency | Air Volume | | Speed | Consumption | Noise | Weight | Installation Space |
|---|---|---|---|---|---|---|---|---|
| | [V/Hz] | [CMH] | [CFM] | [RPM] | [W] | [dB(A)] | [kg] | [mm] |
| FV-15WAT2 | 220 / 50 | 210 | 124 | 1,900 | 14 | 43 | 0.9 | Ø186 - Ø188 |
| | 240 / 50 | 228 | 134 | 1,980 | 16 | 44 | | |
| FV-20WAT2 | 220 / 50 | 380 | 224 | 1,360 | 15 | 42 | 1.4 | Ø278 - Ø280 |
| | 240 / 50 | 402 | 237 | 1,385 | 17.5 | 43 | | |

Note :
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 are 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.
5. The value in Specification tables are representative characteristic value at 220V, 50Hz

The disclaimer : * AMCA (Air Movement and Control Association International, Inc.) certifications have been obtained for the models designed for 220V/60Hz and 240V/50Hz. For further details, please refer to: https://www.amca.org/certified-listed/products.html?c=2663
*The motor bearing lifetime is estimated by calculating the mean time to failure (MTTF), which is determined by measuring the temperature rise of the bearing when the product is in operation at high notch or highest speed at environment temperature of 40°C

# FEATURES OF 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 60,000 hours (1.5 time VS previous model)
- Comply with IPX4 (outside)

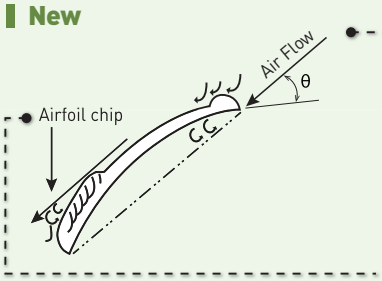




"HP motor" and "Bearing" are used

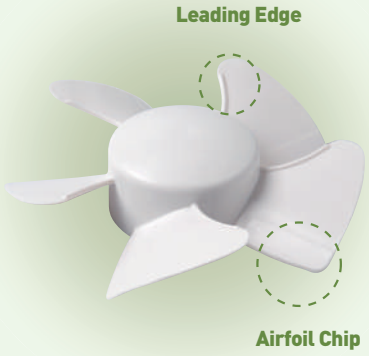
## Advanced Blade Design

**New**




Leading Edge forms no obstacle to air flow that streamlines air flow from every direction

Airfoil Chip is to reduce turbulence at rear edge, and the curature of front edge is improved for smooth air flow that minimizes fan noise as well.




## Strengthened Shutter Structure

- Durable
- Sustainable to strong wind

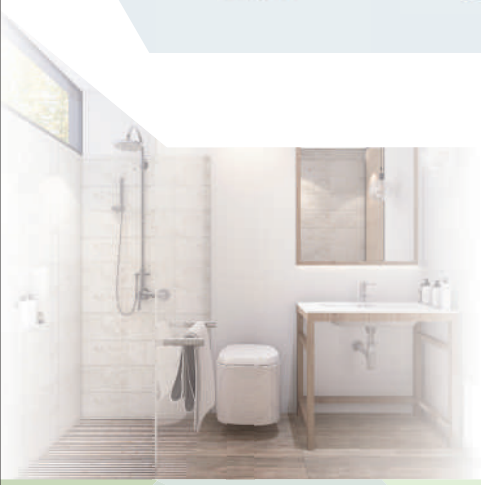





Metallic shutter axis is used as the supporter for movement of shutter that provides a better endurance.

## Easy Maintenance

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



Bathroom



Toilet



Office

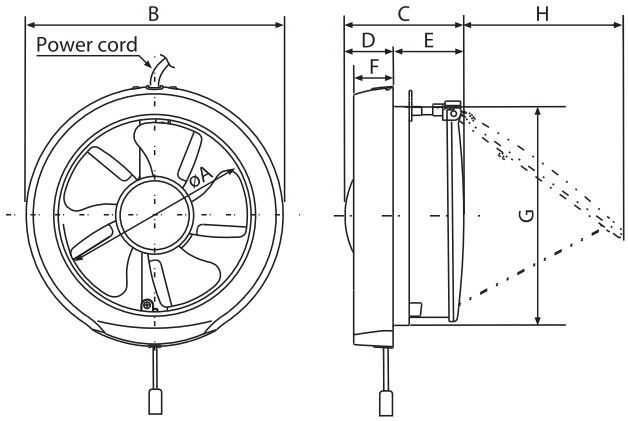
# Window Mount Ventilating Fan

## FV-15WUT4
## FV-20WUT4




- 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

## Dimension
**Unit : mm**




Unit: mm

| Model No. | A | B | C | D | E | F | G | H |
|---|---|---|---|---|---|---|---|---|
| FV-15WUT4 | 150 | 210 | 97 | 43 | 54 | 37 | 177 | 149 |
| FV-20WUT4 | 200 | 271 | 98 | 36 | 62 | 36 | 237 | 201 |

## Specification

| Model No. | Voltage / Frequency | Air Volume | | Speed | Consumption | Noise | Weight | Installation Space |
|---|---|---|---|---|---|---|---|---|
| | [V/Hz] | [CMH] | [CFM] | [RPM] | [W] | [dB(A)] | [kg] | [mm] |
| FV-15WUT4 | 220 / 50 | 210 | 124 | 1,463 | 8.1 | 35 | 0.9 | Ø186 - Ø188 |
| | 240 / 50 | 230 | 135 | 1,657 | 9.5 | 37 | | |
| FV-20WUT4 | 220 / 50 | 360 | 212 | 1,042 | 16.4 | 32 | 1.1 | Ø247 - Ø250 |
| | 240 / 50 | 400 | 235 | 1,189 | 19.5 | 36 | | |

Note :
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 are the average of three values measured at 1m apart from left, right and front of product.
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