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Lifo®

ECOSMART SERIES

Breathe smart, live comfort.



CHINAFORE

Fresh air, dry environment, and peaceful atmospheres are the comfort experience every home deserves. Proper ventilation isn't just a luxury—it's the invisible foundation of a healthy, comfortable home where every breath revitalizes your wellbeing.

The Ecosmart CV Series eliminates common ventilation frustrations with professional-grade technology: smart, silent, and human-centered. Our energy-efficient systems operate continuously without compromise. Experience what ventilation should be: powerful performance, elegant design, and seamless integration into your daily routine. Ecosmart—breathing new life into your environment.

KEY FEATURES

- Continuous, low-energy performance
- As low as 9 decibels at minimum airflow setting
- Maximum airflow capacity of 120^{m³}/h
- Perfect for bathrooms, kitchens, utility rooms, and other living spaces
- Easy adjustment to your needs via Smart Touchpad
- 4-in-1 human-centered system:
Intelligent humidity control, Automatic operation delay, Manual control, and Do-not-disturb night mode
- 3 designs, 4 models, and customized color options available

**BREATHE SMART,
LIVE COMFORT-ANYWHERE.**

4-IN-1 HUMAN-CENTERED SYSTEM



Intelligent Humidity Sensing Mode

The fan automatically activates at full speed when bathroom humidity rises rapidly, then switches back to low speed once levels normalize. This built-in intelligence effectively prevents fog buildup and maintains a dry atmosphere. The intelligent system distinguishes between shower-induced humidity and general environmental moisture, preventing false activation by increased moisture during rainy weather.

- #NoMoreFoggyMirrors
- #RainproofIntelligence
- #MoistureSenseTech
- #NoFalseAlarms



Automatic Adjusted Delay Mode

The automatic delay function adjusts operation delay time based on usage duration, activated by built-in algorithms. It extends runtime after longer use to ensure thorough air purification. This intelligent system optimizes air quality and energy efficiency by operating only when necessary.

- #SmartTiming
- #OnlyRunsWhenNeeded
- #EfficiencyMeetsInnovation
- #BeyondBasicFan

Manual Control Mode

When lights are turned on, the exhaust fan is activated to high speed, quickly removing unpleasant odors during bathroom use. After turning off the lights, if the delay function is activated via long-time usage, the ventilation fan continues operating for a period based on usage duration, ensuring the bathroom atmosphere is completely refreshed before shutting down.

- #AutoVentWithLights
- #OdorFree
- #EffortlessCleanAir



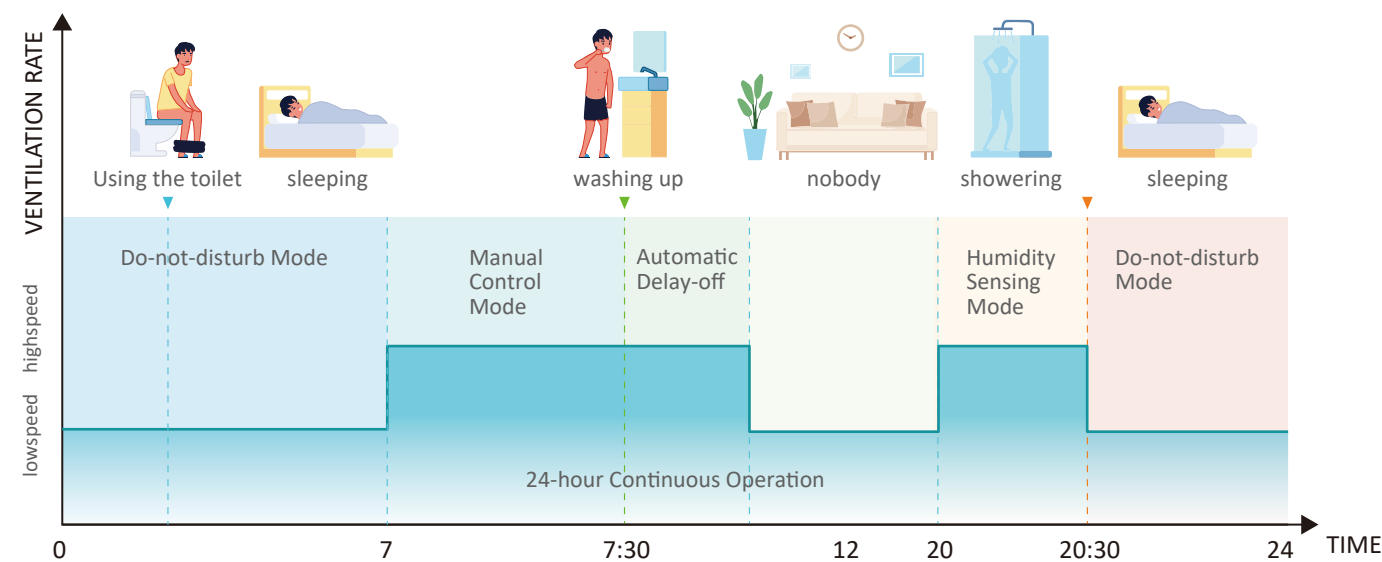
Do-not-disturb Night Mode

In the automatic do-not-disturb mode during nighttime, the control system temporarily ignores sensor inputs and keeps the fan at a low-speed setting to ensure minimal, continuous ventilation is provided, maintaining a consistent, near-silent operation.

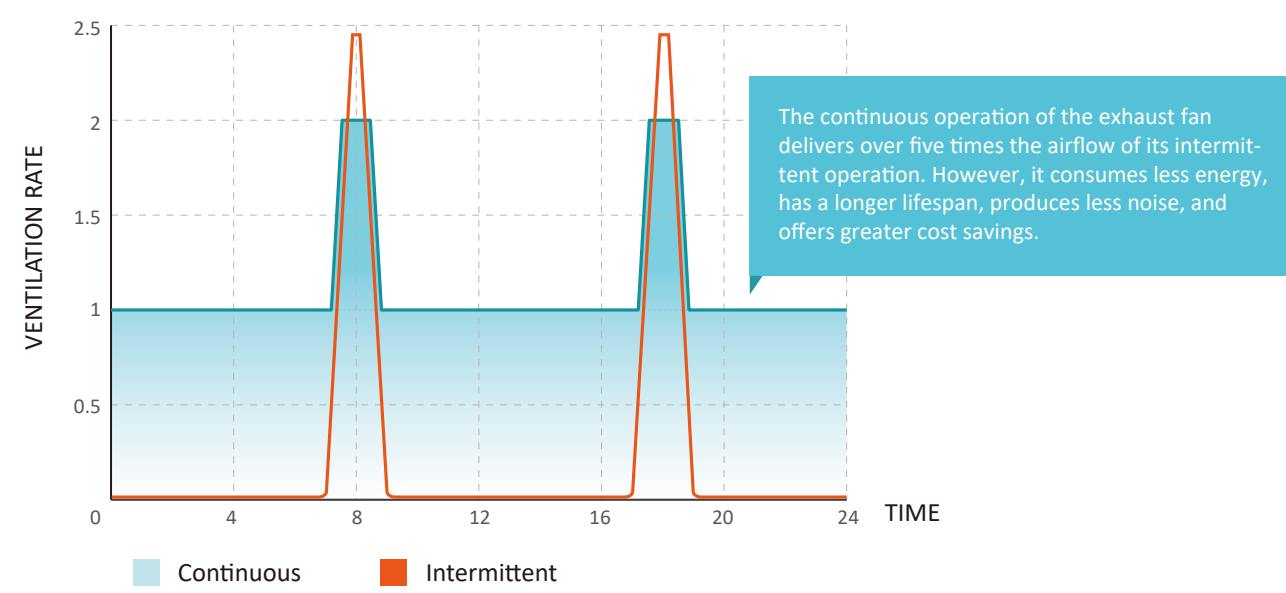
- #SilentMode
- #NotJustAnyFan
- #SleepUndisturbed, BreatheUninterrupted



24-HOUR USAGE SCHEDULE

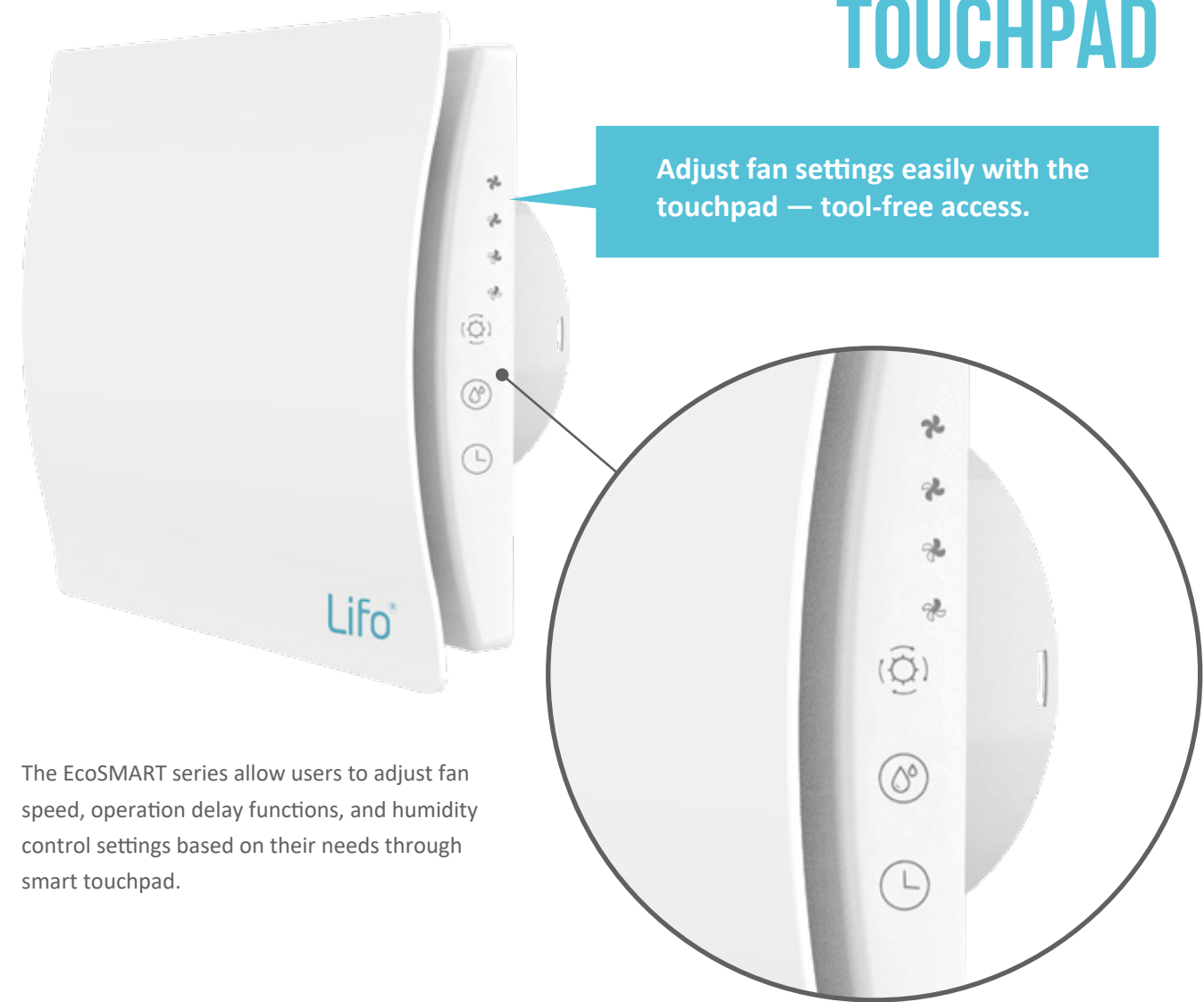


- ▼ Using the bathroom at night takes 2-5 minutes. Night mode keeps high-speed off for short visits. Moisture sensors stay off.
- ▼ When you use the bathroom too long over 5 minutes, Intelligent Delay Mode turns on. After use, the fan keeps running at high speed for correpsonded delayed time length before switching to low speed, to clear all air.
- ▼ When Humidity Sensing Mode detects that surrounding moisture returns to normal levels, the fan switches back to low speed mode.



The EcoSMART Series exhaust fans are designed for continuous operation, offering energy efficiency and superior comfort, while promoting a more sustainable society. By reducing energy consumption, they enhance indoor living quality and contribute to a greener, more responsible future for all.

TOUCHPAD



The EcoSMART series allow users to adjust fan speed, operation delay functions, and humidity control settings based on their needs through smart touchpad.

4 speeds available

Humidity Sensing Mode

Delay Mode

FOUR SPEEDS AVAILABLE

LEVEL	LOW SPEED	HIGH SPEED
Level1	30m³/h (17.6 cfm) — 0.7W	60m³/h (35.3 cfm) — 1.8W
Level2	40m³/h (23.5 cfm) — 0.90W	80m³/h (47.1 cfm) — 2.0W
Level3	50m³/h (29.4 cfm) — 0.95W	100m³/h (58.8 cfm) — 2.6W
Level4	60m³/h (35.3 cfm) — 1.0W	120m³/h (70.6 cfm) — 3.2W

TRANSFORM YOUR SPACE WITH OUR VERSATILE VENTILATION SYSTEMS

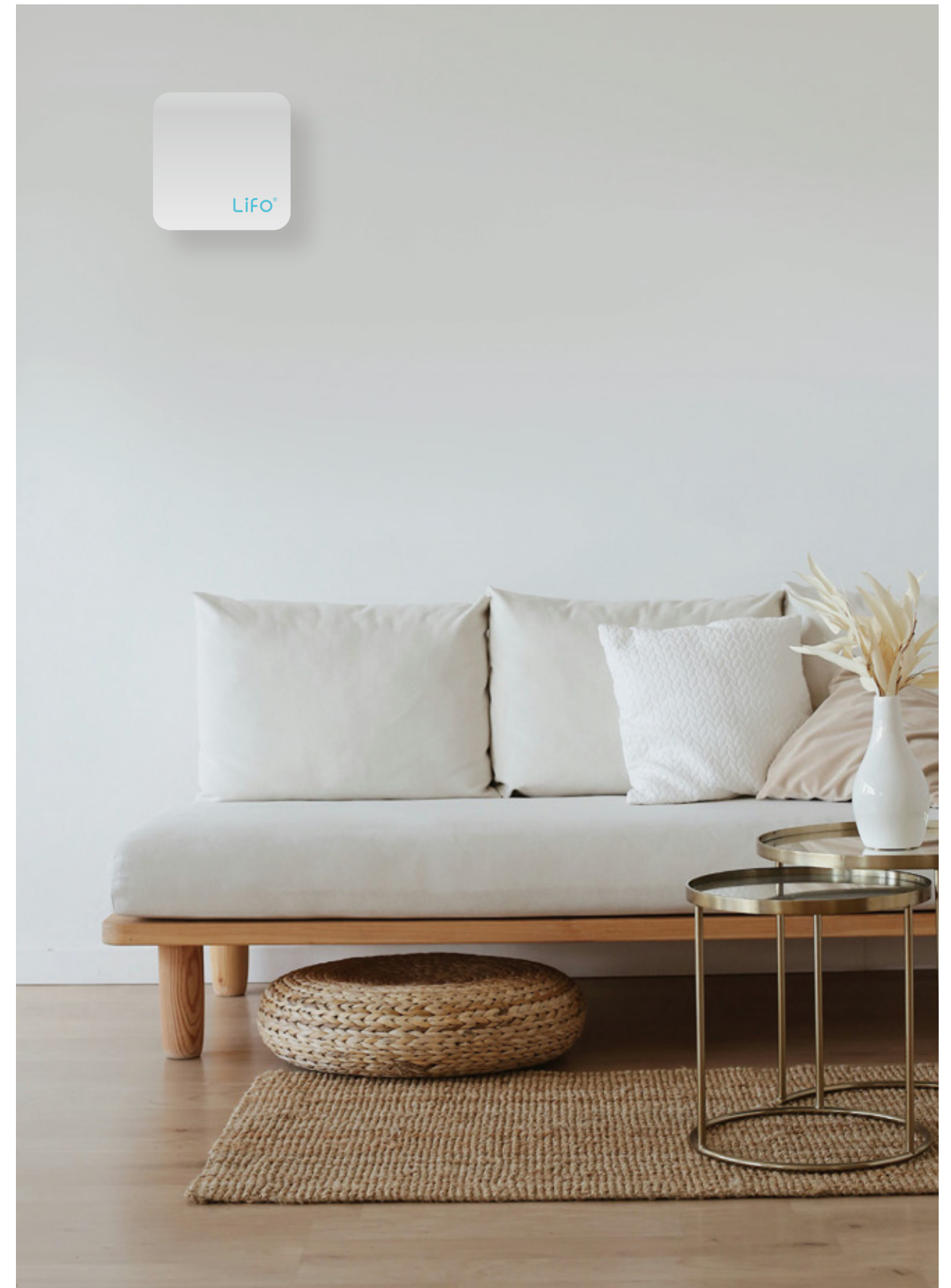
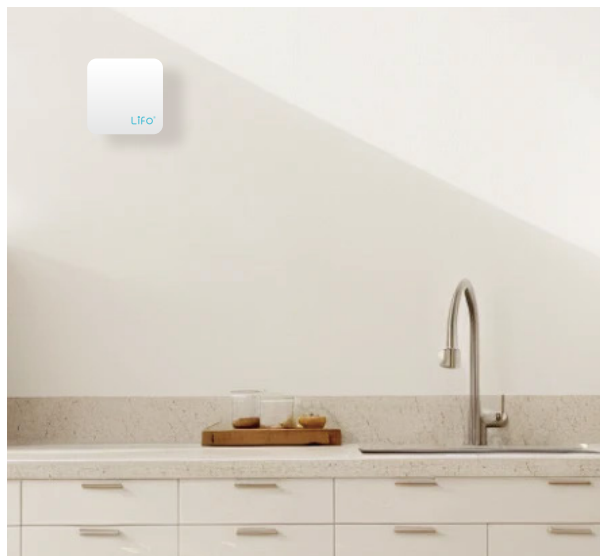
Ventilation fans are just for bathrooms? Think again!

Our innovative systems enhance any living space with:

- *2 models and 3 aesthetic designs*
- *Adjustable speeds optimized for rooms of all sizes*
- *DIY color options to match any decor*

Perfect for Every Room:

- *Bathroom: Rapidly removes moisture and prevents mold*
- *Kitchen: Eliminates cooking smoke and odors*
- *Bedroom/Office: Low-noise operation improves air quality and reduces CO₂*
- *Storage/Dressing Rooms: Prevents mold and keeps items dry*



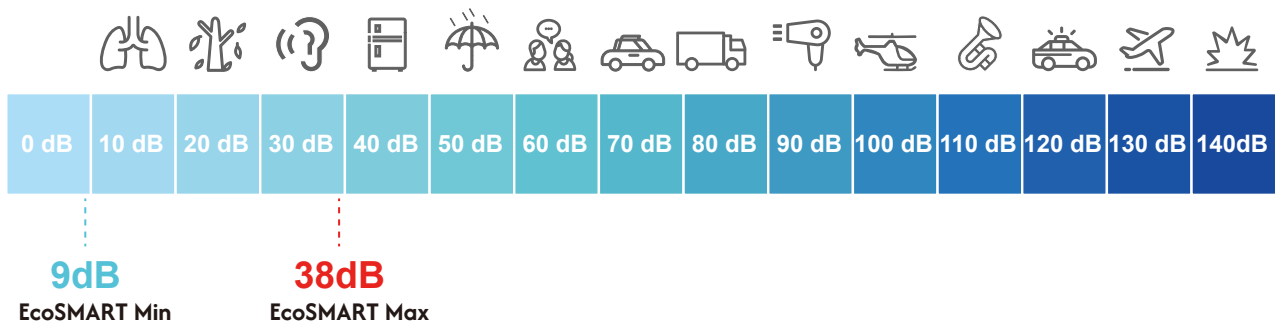
Powerful Performance:

- 120m³/h maximum airflow refreshes a 6m² bathroom in just 7.5 minutes
- 4-level airflow speeds to suit different spaces

Discover how our ventilation systems can enhance comfort and air quality throughout your entire home or workspace.

SPACE	COMMON FLOOR AREA (M ²)	VOLUME (M ³ , CALCULATED AT 2.5M CEILING HEIGHT)	AIR CHANGES PER HOUR (AT DIFFERENT FAN SPEEDS)
Small Bathroom	4m ²	10m ³	Level 1 (Low speed, 3 ACH) - Level 4 (High speed, 12 ACH)
Standard Bathroom	6m ²	15m ³	Level 1 (Low speed, 2 ACH) - Level 4 (High speed, 8 ACH)
Kitchen	8m ²	20m ³	Level 1 (Low speed, 1.5 ACH) - Level 4 (High speed, 6 ACH)
Bedroom/Office	12m ²	30m ³	Level 1 (Low speed, 1 ACH) - Level 4 (High speed, 4 ACH)
Small Conference Room /Storage Room	15m ²	37.5m ³	Level 1 (Low speed, 0.8 ACH) - Level 4 (High speed, 3.2 ACH)

MINIMUM 9 DECIBELS – What Does That Mean?



LONG LIFE, LOW ENERGY



How long does 60,000 hours of lifespan lasts?

Running continuously 24/7, the lifespan reaches 6.8 years, equivalent to 21,900 days of reliable performance!

60,000 hours = 180,000 complete air changes

- Assuming Low speed mode Level 1 (30m³/h), used in a 4 m² (10m³) bathroom: 60,000 hours of lifespan, equivalent to ventilating your bathroom 180,000 times!



• This means you might replace 2 smartphones, while your ventilator continues to operate!

- This spans a child's entire journey from elementary to junior high school graduation, with the ventilator continuously protecting your family's health!



Minimal Energy, Maximum Performance



Only 0.017 kWh when running for 24 hours at Level 1, less than an air conditioner on standby!

Amazing energy efficiency



Entire lifetime electricity cost is less than the price of 3 cups of coffee!



PROCLIM SERIES



PV1



PV2



PV3

FEATURES

- 6 models in Ø 100 mm with or without options of humidity control, timer, pull rope
- Quiet ventilation for bathrooms, kitchens, and other utility rooms
- High airflow rate of 120 m³/h with low operational sound level
- IP rating: IPX4
- Insulation class: II

Intelligent humidity control

The fan automatically activates when the indoor relative humidity level is above the pre-set threshold.

Codable Timer

The timer allows the fan to operate for a customizable pre-set duration after being turned on or triggered by humidity sensor. This ensures effective ventilation by removing excess humidity and odors while preventing unnecessary energy consumption, as the fan automatically shuts off after the set time.

Adjustable Operation Time Delay

The adjustable delay, which can be manually set within a time range, postpones the fan's start to avoid brief, unnecessary operation and continues running after use to clear lingering moisture or odors, optimizing energy use while keeping the space comfortable.

PV-M

Manual trigger with wall switch

PV-R

Manual trigger with pull rope switch

PV-H

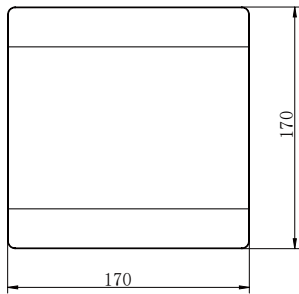
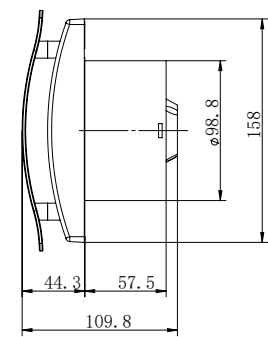
Manual trigger + humidity threshold trigger (60-90%RH) + adjustable delay on (0-10 min) + adjustable delay off (0-30 min)

PV-T

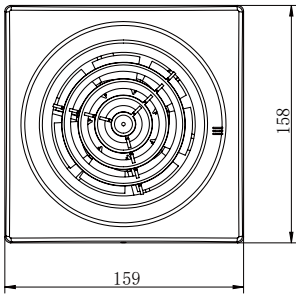
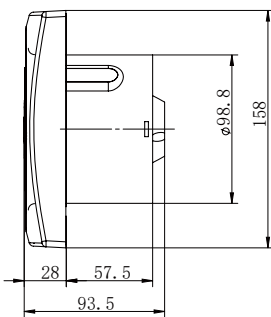
Manual trigger + timing trigger adjustable (0-24h) + adjustable delay off (0-30 min) + timing operation adjustable (2-30 min)

	MANUAL CONTROL	INTELLIGENT HUMIDITY CONTROL	CODABLE TIMER	MANUAL CONTROL WITH PULL ROPE
PV-M	✓			
PV-R				✓
PV-H	✓	✓		
PV-T	✓		✓	
PV-HR	✓	✓		✓
PV-TR	✓		✓	✓

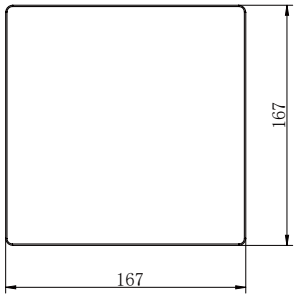
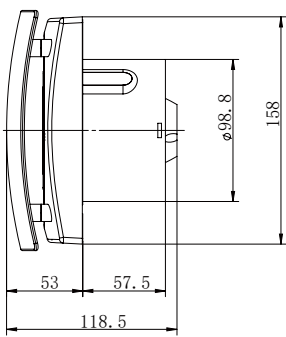
DIMENSION



PV1



PV2



PV3

TECHNICAL DATA

model	PV Ø 100
power supply	220-240V 50Hz
consumption	13W
current	0.05A
airflow	120 m³/h (70.6 cfm)
max. sound level	37 dB
max. temperature	40°C (104°F)
weight	0.5kg
material	ABS

ECOCLIM SERIES



CV1



CV2



CV3

FEATURES

- 2 models in Ø 100 mm with or without options of humidity control
- With DC motor, EcoClim Series is capable of continuous operation, with whisper-quiet sound offering fresh air and environmental comfort.
- Ultra-efficient and silent ventilation for bathrooms, kitchens, and utility rooms.
- IP ratings: IPX4
- Insulation class: II

Intelligent humidity control

The fan automatically activates when the indoor relative humidity level is above the pre-set threshold, switching from low speed operation to high speed operation.

Adjustable Operation Time Delay

The adjustable delay, which can be manually set within a time range, postpones the fan's start to avoid brief, unnecessary operation and continues running after use to clear lingering moisture or odors, optimizing energy use while keeping the space comfortable.

Continuous Operation

EcoCLIM Series with DC motors provides 24-hour non-stop ventilation, while ensuring a long life span and energy efficiency. It runs at low speed most of the time, automatically switching to high speed when triggered by manual or humidity controls

CV-M

Manual trigger with wall switch

CV-H

Manual trigger + humidity threshold trigger (60-90%RH) + adjustable delay on (0-10 min) + adjustable delay off (0-30 min)

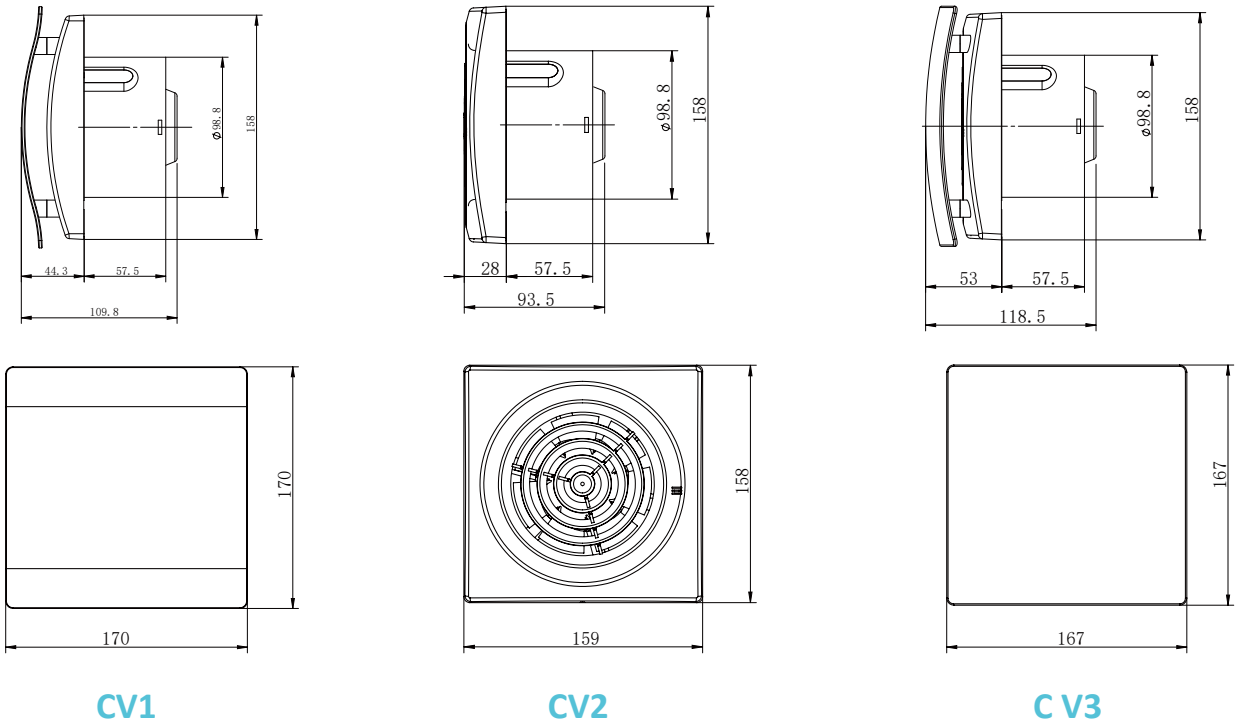
	MANUAL CONTROL	INTELLIGENT HUMIDITY CONTROL	AUTOMATIC DELAY
CV-M	✓		
CV-H	✓	✓	✓

TECHNICAL DATA

Models	Power Supply	W		A	RPM	MAX AIRFLOW(m3/h)		dB(A)		MAX °C	KG
		min	max			min	max	min	max		
CV Ø 100	220-240V 50Hz	0.7	3.2	0.012	2700	30	120	9	38	40	0.5

LOW SPEED						HIGH SPEED					
30m³/h (17.6 cfm) — 0.7W						60m³/h (35.3 cfm) — 1.8W					
40m³/h (23.5 cfm) — 0.90W						80m³/h (47.1 cfm) — 2.0W					
50m³/h (29.4 cfm) — 0.95W						100m³/h (58.8 cfm) — 2.6W					
60m³/h (35.3 cfm) — 1.0W						120m³/h (70.6 cfm) — 3.2W					

DIMENSION



ECOSMART SERIES



FEATURES

- 2 models in Ø 100 mm with or without options of do-not-disturb night mode.
- With DC motor, EcoSmart Series is capable of continuous operation, with whisper-quiet sound offering fresh air and environmental comfort.
- Ultra-efficient and silent ventilation for bathrooms, kitchens, and utility rooms.
- Intelligent functionalities designed for optimal human-centered living experience.
- IP ratings: IPX4
- Insulation class: II

Intelligent Humidity Control

The fan automatically activates at full speed when bathroom humidity rises rapidly, then switches back to low speed once levels normalize. This built-in intelligence effectively prevents fog buildup and maintains a dry atmosphere. The intelligent system distinguishes between shower-induced humidity and general environmental moisture, preventing false activation by increased moisture during rainy weather.

Smart touchscreen

The touchscreen allows precise control with features like 4-speed airflow adjustment, timer settings, and a humidity sensor for automatic operation. The easy access of control enhance convenience and customized preferences.

Automatic adjusted operation time delay

The automatic delay function adjusts operation delay time based on usage duration, activated by built-in algorithms. It extends runtime after longer use to ensure thorough air purification.

Do-not-disturb mode

In the automatic do-not-disturb mode during nighttime, the control system temporarily ignores sensor inputs and keeps the fan at a low-speed setting to ensure minimal, continuous ventilation is provided, maintaining a consistent, near-silent operation.

ES

Manual triggered with intelligent algorithm-based humidity trigger + automatic adjusted time delay + touchscreen control

ES-D

Manual triggered with intelligent algorithm-based humidity trigger + automatic adjusted time delay + touchscreen control + do-not-disturb night mode

	MANUAL CONTROL	INTELLIGENT HUMIDITY CONTROL	AUTOMATIC DELAY	SMART TOUCHSCREEN	AUTOMATIC DO-NOT-DISTURB MODE
ES	✓	✓	✓	✓	
ES-D	✓	✓	✓	✓	✓

TECHNICAL DATA

Models	Power Supply	W		A	RPM	MAX AIRFLOW(m3/h)		dB(A)		MAX °C	KG
		min	max			min	max	min	max		

ES Ø 100	220-240V 50Hz	0.7	3.2	0.012	2700	30	120	9	38	40	0.5
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LOW SPEED	HIGH SPEED	OPERATION TIME DELAY TRIGGER
30m³/h (17.6 cfm) — 0.7W	60m³/h (35.3 cfm) — 1.8W	0-5 min: (Delayed operation) 0 min.
40m³/h (23.5 cfm) — 0.90W	80m³/h (47.1 cfm) — 2.0W	5-10 min: (Delayed operation) 5 min.
50m³/h (29.4 cfm) — 0.95W	100m³/h (58.8 cfm) — 2.6W	10-15 min: (Delayed operation) 10 min.
60m³/h (35.3 cfm) — 1.0W	120m³/h (70.6 cfm) — 3.2W	15-20 min: (Delayed operation) 15 min.
		>20 min: (Delayed operation) 20 min.

DIMENSION

