

PRODUCT CATALOG / GEC V SERIES

Fresh-air ceiling

新風淨化天花式抽濕機

MODELS

DBA-GEC30V · DBA-GEC50V
DBA-GEC70V · DBA-GEC110V

CAPACITY

30–110 L/day

Fresh air × dehumidification × HEPA filtration in one ceiling unit.
Independent fresh-air valve, return-air valve, HEPA filter, and a 5-in-1 air detector — auto-switching across dehumidify, fresh-air, mixed, and intelligent modes.

新風 × 抽濕 × HEPA 過濾，一台天花機完成。獨立新風閥、回風閥、HEPA 高效濾網與五合一空氣探測器，可於抽濕、新風、混合、智能四個模式之間自動切換。

01 ABOUT THE GEC V SERIES

System overview

The GEC V Series is the flagship fresh-air ceiling dehumidifier engineered for Hong Kong's sub-tropical climate. It maintains target humidity while continuously introducing HEPA-filtered outdoor air — solving CO2 build-up, PM2.5, cooking odours, and humidity in a single concealed unit. The 5-in-1 air detector reads PM2.5, CO2, VOC, temperature, and relative humidity, switching modes automatically.

GEC V 系列為 ERV.hk 旗艦新風天花式抽濕機，專為香港氣候研發。在維持空間濕度的同時，引入經 HEPA 過濾的潔淨新風 —— 一機解決室內 CO2 累積、PM2.5、烹飪異味與潮濕問題。內置五合一空氣探測器自動偵測 PM2.5、CO2、VOC、溫度與濕度，並於四個模式之間智能切換。

KEY FEATURES

What's standard

- Fresh-air valve · 0–450 CMH on demand
- HEPA + stainless steel mesh filtration
- 5-in-1 air sensor (PM2.5/CO2/VOC/T/RH)
- DC brushless inverter motor
- 1.2 m head drain pump
- 86×86 mm LCD touch panel
- RS485 Modbus BMS interface
- WiFi App + scheduled timer
- Power-off memory + dry-contact input

APPLICATIONS

Where it works

- Luxury residential & duplexes
- Hotel suites & serviced apartments
- Clubhouses & private dining
- Offices & retail (zone-distributed)
- Premium residences in Mid-Levels
- Concealed false-ceiling installation

02 GEC V SERIES MODEL SPECIFICATIONS

Specifications

All measurements at 27 °C / 60% RH unless otherwise stated.

PARAMETER	DBA-GEC30V	DBA-GEC50V BESTSELLER	DBA-GEC70V	DBA-GEC110V
Capacity (30°C 80%) 抽濕量 (30° C 80%)	30 L/day	50 L/day	70 L/day	110 L/day
Capacity (26.7°C 60%) 抽濕量 (26.7° C 60%)	10.8 L/day	26.4 L/day	—	52.8 L/day
Fresh-air supply 新風量	0–170 CMH	0–225 CMH	0–250 CMH	0–450 CMH
Indoor airflow 室內風量	350 CMH	450 CMH	500 CMH	900 CMH
Coverage 適用面積	200–400 sq ft	400–600 sq ft	600–800 sq ft	800–1,200 sq ft
Noise (3 m) 噪音 (3 米)	38/50 dB(A)	42/50 dB(A)	45/50 dB(A)	45/50 dB(A)
Static pressure 靜壓	100 Pa	100 Pa	100 Pa	100 Pa
Rated / Max power 額定 / 最大功率	330 / 440 W	520 / 780 W	—	1,020 / 1,415 W
Dimensions (L×W×H) 尺寸	992 × 526 × 245 mm	1,004 × 560 × 255 mm	1,032 × 626 × 265 mm	1,200 × 795 × 284 mm
Weight 重量	39 kg	52 kg	60 kg	71 kg
Power supply 電源	220-240V / 50Hz	220-240V / 50Hz	220-240V / 50Hz	220-240V / 50Hz
Drain pump head 水泵揚程	1.2 m	1.2 m	1.2 m	1.2 m
Air outlet / inlet 出 / 入風口	Ø146 mm × 3	Ø146 mm × 3	Ø146 mm × 3	Ø196 mm × 3
Refrigerant 冷媒	R134a / 260 g	R410A / 400 g	R410A	R410A / 900 g
Filtration 過濾	HEPA + SS mesh	HEPA + SS mesh	HEPA + SS mesh	HEPA + SS mesh
Connectivity 通訊	RS485 + Dry contact	RS485 + Dry contact	RS485 + Dry contact	RS485 + Dry contact

03 GEC V CONFIGURATION & CONTROL

Configuration & control

Standard configuration and control features. / 標配項目與控制功能

CONFIGURATION

What's standard

- **Drain pump (1.2 m head)**
排水泵 1.2 m 揚程
- **HEPA high-efficiency filter**
HEPA 高效空氣過濾網
- **Stainless steel mesh pre-filter**
不銹鋼網目濾網
- **DC brushless inverter motor**
直流無刷變頻電機
- **5-in-1 air detector**
五合一空氣探測器
- **86×86 mm LCD touch panel**
86×86mm LCD 彩色觸控屏
- **Independent fresh / return valves**
獨立新風閥及回風閥
- **Concealed false-ceiling mount**
天花式隱藏安裝

SMART CONTROL

Built-in intelligence

- **RH setpoint range 20–95%**
濕度設定範圍 20–95%
- **4 modes: dehumidify / fresh-air / mixed / smart**
四模式：抽濕 / 新風 / 混合 / 智能
- **Low / high fan speed**
低 / 高風速
- **RS485 Modbus BMS interface**
RS485 Modbus 樓宇管理接口
- **Schedule on/off + power-off memory**
定時開關機 + 斷電記憶
- **Dry-contact input + fault detection**
乾接點輸入 + 故障偵測
- **PM2.5 / CO / VOC / T / RH sensing**
PM2.5 / CO / VOC / 溫濕度感應
- **Auto mode-switch by air quality**
依空氣質素智能切換模式

Free site assessment · 24-hour response

免費場地評估 · 一個工作天回覆

→ www.erv.hk/#quote · WhatsApp +852 8404 3880 · erv@erv.hk