

PRODUCT CATALOG / GEC SERIES

# Commercial ceiling

## 商用天花式抽濕機

MODELS

DBA-GEC68LD-HP · DBA-GEC145LD-HP · DBA-GEC280LD  
DBA-GEC400LD · DBA-GEC550LD

CAPACITY

**68–550 L/day**

High static pressure ducted ceiling dehumidifiers built for large floors and multi-room distribution. RS485 BMS standard, 68 to 550 L/day capacity. Engineered for offices, retail, hotel ballrooms, indoor pools, and large clubhouses.

為大空間設計的高靜壓商用天花機 — 商廈辦公室、零售商舖、酒店宴會廳、室內泳池、大型會所。RS485 BMS 標配，68 至 550 公升 / 日抽濕量任選，多區管道分送。

## 01 ABOUT THE GEC SERIES

# System overview

The GEC commercial ceiling series handles large floor plates and ducted multi-zone distribution that smaller residential units cannot serve. High static pressure (up to 80 Pa) drives air through long duct runs, while the stainless evaporator and pump drainage suit demanding industrial and commercial environments. Five capacity points cover everything from a 1,000 sq ft retail unit to a 5,000 sq ft hotel ballroom.

GEC 商用天花系列專為大面積、多區管道分送設計 — 高靜壓 (最高 80 Pa) 推動長距離管道送風，不銹鋼蒸發器與排水泵應對嚴苛的商業與工業環境。五款抽濕量由 68 至 550 公升 / 日，涵蓋 1,000 至 5,000 平方呎空間。

### KEY FEATURES

#### What's standard

- High static pressure for ducting
- Stainless steel evaporator & tank
- Pump drainage with 10 m head
- RS485 Modbus BMS interface
- Three-phase models (GEC400LD+)
- DC inverter compressor (HP series)
- Centralised setpoint and alarms
- Concealed false-ceiling mount
- Low-noise EC fan motor

### APPLICATIONS

#### Where it works

- Open-plan offices & coworking
- Retail outlets & showrooms
- Hotel ballrooms & lobbies
- Indoor swimming pools
- Clubhouses & banquet halls
- Logistics & cold storage rooms

## 02 GEC SERIES MODEL SPECIFICATIONS

# Specifications

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

PARAMETER	DBA-GEC68LD	DBA-GEC145LD	DBA-GEC280LD	DBA-GEC400LD	DBA-GEC550LD
<b>Capacity (30°C 80%)</b> 抽濕量 (30° C 80%)	68 L/day	145 L/day	280 L/day	400 L/day	550 L/day
<b>Coverage</b> 適用面積	800–1,000 sq ft	1,500–1,700 sq ft	2,500–3,000 sq ft	3,000–4,000 sq ft	4,000–5,000 sq ft
<b>Airflow</b> 風量	500 CMH	1,200 CMH	1,700 CMH	3,250 CMH	3,250 CMH
<b>Noise level</b> 噪音	49 dB(A)	50 dB(A)	58 dB(A)	65 dB(A)	65 dB(A)
<b>Dimensions (L×W×H)</b> 尺寸	970 × 525 × 345 mm	1,005 × 695 × 440 mm	1,137 × 900 × 540 mm	1,270 × 1,200 × 605 mm	1,270 × 1,200 × 605 mm
<b>Weight</b> 重量	—	70 kg	108 kg	210 kg	240 kg
<b>Power supply</b> 電源	220-240V / 50Hz	220-240V / 50Hz	380V 3N / 50Hz	380V 3N / 50Hz	380V 3N / 50Hz
<b>Sterilisation</b> 殺菌	UV-C lamp	UV-C lamp	—	—	—
<b>Connectivity</b> 通訊	RS485 Modbus	RS485 Modbus	RS485 Modbus	RS485 Modbus	RS485 Modbus

## 03 GEC CONFIGURATION &amp; CONTROL

# Configuration & control

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

## CONFIGURATION

### What's standard

- **High static pressure for ducting**  
高靜壓管道送風
- **Stainless steel evaporator & tank**  
不銹鋼蒸發器與水盤
- **Pump drainage (10 m head)**  
排水泵 10 m 揚程
- **DC inverter compressor (HP series)**  
直流變頻壓縮機 (HP 機型)
- **UV-C sterilisation (68LD/145LD)**  
UV-C 殺菌燈 (68LD/145LD)
- **EC fan motor — low noise**  
EC 低噪音風扇電機
- **Three-phase 380V (280LD/400LD/550LD)**  
三相電源 (280LD 起)
- **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%
- **Centralised setpoints via BMS**  
BMS 集中控制設定
- **RS485 Modbus interface**  
RS485 Modbus 樓宇管理接口
- **Fault relay + alarm output**  
故障繼電器 + 警報輸出
- **Schedule on/off + power-off memory**  
定時開關機 + 斷電記憶
- **Dry-contact remote enable**  
乾接點遠程啟動
- **Real-time runtime telemetry**  
實時運行狀態遙測
- **Multi-zone duct distribution**  
多區管道分送

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