

# Ceiling Mounted Dehumidifier

COMMERCIAL SERIES

## Product Catalog





# About Us.



## Introduction

DBA ELECTRIC PTE. LTD. offers a comprehensive range of humidity and ventilation solutions. As a full-service company, we develop, manufacture, and supply humidity control equipment. Our dehumidifiers comply with international certifications and standards, ensuring reliability and safety, ideal for both commercial and industrial applications.

## Our Products

DBA manufactures full range of humidity control equipments.

1. **Restoration Dehumidifier (Portable)**
2. **Industrial Dehumidifier**
3. **Ceiling Mounted Dehumidifier**
4. **Wall Mounted Dehumidifier**
5. **Desiccant Dehumidifier**
6. **Humidity Control Unit (Dehumidifying and Humidifying)**
7. **Climate Control Unit (Dehumidifying, Humidifying, Cooling and Heating)**



# Commercial Ceiling Mounted Dehumidifier

**DBA Commercial ceiling-mounted dehumidifier** is the ideal solution for managing humidity levels by effectively removing excess moisture from multiple spaces simultaneously. Perfect for both commercial and residential environments, these units are installed on the ceiling, offering a discreet and space-saving design while enhancing airflow throughout the area.

- **Mold and Mildew Prevention**
- **Improve Air Quality**
- **Space Saving**
- **Quiet Operation**
- **App/Smart Home Integration**
- **Energy Saving**



# COMMERCIAL SERIES

## 68-550 L / DAY

### DBA-GEC68LD-HP



WiFi  
Smart App

RS485

Dehumidification: **68 Liters / Day**  
Cover Area: **800 - 1000 Sqft**  
Airflow: **500CMH**  
Noise Level: **49dB(A)**  
Weight: **44kg**  
Dimension: **L970xW525xH345mm**



### DBA-GEC145LD-HP

RS485

Dehumidification: **145 Liters / Day**  
Cover Area: **1500 - 1700 Sqft**  
Airflow: **1200CMH**  
Noise Level: **50dB(A)**  
Weight: **70kg**  
Dimension: **L1005xW695xH440mm**





## DBA-GEC280LD



Dehumidification: **280 Liters / Day**  
Cover Area: **2500 - 3000 Sqft**  
Airflow: **1700CMH**  
Noise Level: **58dB(A)**  
Weight: **108kg**  
Dimension: **L1137xW900xH540mm**



## DBA-GEC400LD



Dehumidification: **400 Liters / Day**  
Cover Area: **3000 - 4000 Sqft**  
Airflow: **3250CMH**  
Noise Level: **65dB(A)**  
Weight: **210kg**  
Dimension: **L1270xW1200xH605mm**



## DBA-GEC550LD



Dehumidification: **550 Liters / Day**  
Cover Area: **4000 - 5000 Sqft**  
Airflow: **3250CMH**  
Noise Level: **65dB(A)**  
Weight: **240kg**  
Dimension: **L1270xW1200xH605mm**





## Technical Data

Parameters	DBA-GEC68LD-HP	DBA-GEC145LD-HP
Dehumidifying Capacity (30°C 80%RH)	68L/Day	145L/Day
Dehumidifying Capacity (26.7°C 60%RH)	33L/Day	85L/Day
Cover Area	800-1000Sqft	1500-1700Sqft
Airflow	500CMH	1200CMH
Sound Pressure Level at 3 Meters	49dB(A)	50dB(A)
Static Pressure	100Pa	100Pa
Rated Power	730W	1520W
Max. Power	940W	2220W
Rated Current	3.4A	7.1A
Max. Current	4.6A	11.3A
Voltage	220-240V~50Hz	220-240V~50Hz
Drain Height	1.8m	1.8m
Air Outlet/Inlet Flange	Ø146mm	Ø196mm
Drain Outlet Size	DN15	DN15
Refrigerant	R410A/0.4kg	R410A/1.2kg
Operating Temperature	5-40°C	5-40°C
Weight	44kg	70kg
Dimension	970*525*345mm	1005*695*440mm

\*Specifications are subject to change without prior notice.



Configuration	DBA-GEC68LD-HP	DBA-GEC145LD-HP
Drain Pump	✓	✓
UV-C Sterilization Lamp	✓	✓
Stainless Steel Mesh Filter	✓	✓
Cold Rolled Steel Casing	✓	✓
Emergency Stop Button	✓	✓
Humidity Sensor with Cable	5 m	5 m
86x86mm LCD Control Panel with Cable	8 m	8 m
Type G Plug with Cable	5 m	5 m
Remote Controller	✓	✓

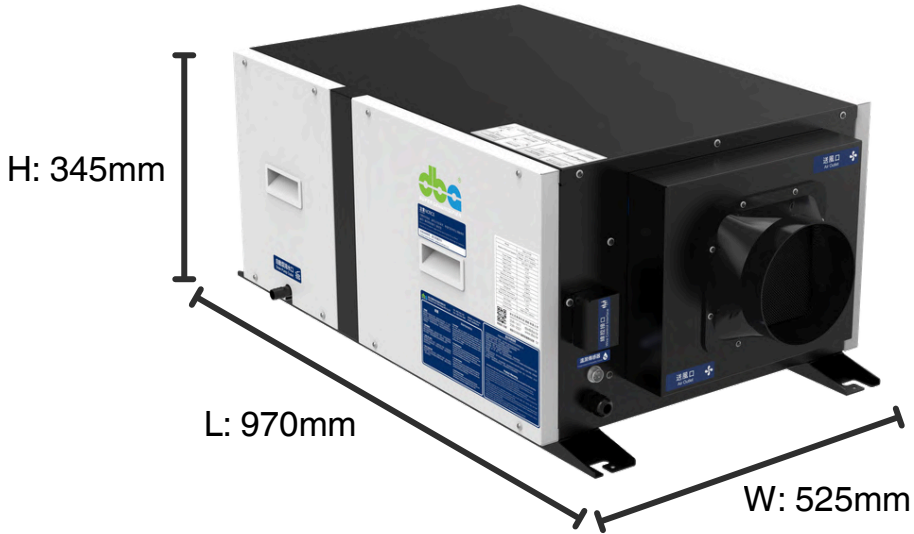
\*Specifications are subject to change without prior notice.

Control	DBA-GEC68LD-HP	DBA-GEC145LD-HP
Set Humidity Range	20 - 95%	20 - 95%
Set Fan Speed	Low / High	Low / High
Fan/Dehumidifying Modes	✓	✓
Scheduled On/Off Timer	✓	✓
Fault Detection	✓	✓
Power Off Memory Function	✓	✓
WiFi App Control	✓	X
Smart Home Integration/BMS RS485 (Modbus)	✓	✓
Dry Contact Control	✓	✓
Water Leak Sensor Port	✓	✓
Fault Indicator Output (220V 6A)	✓	✓

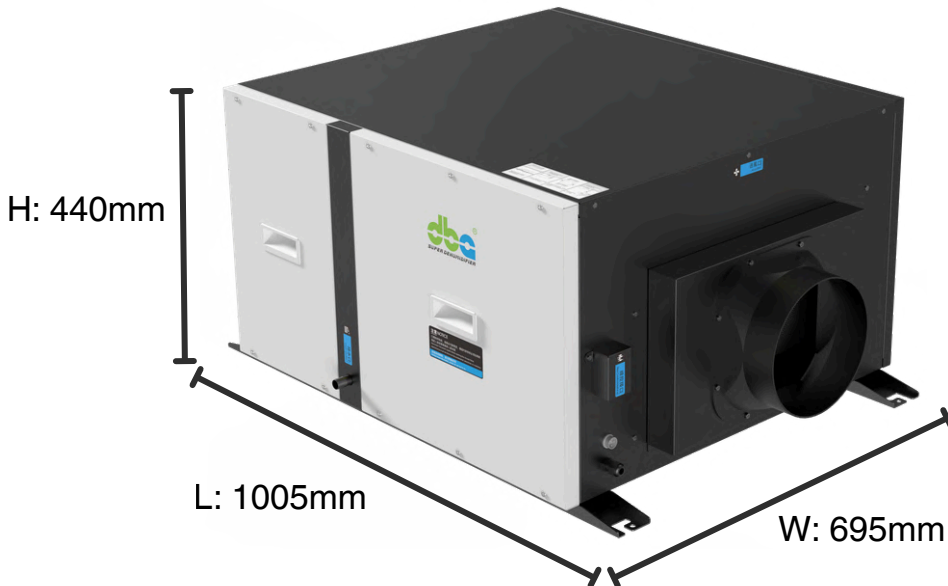
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## DBA-GEC68LD-HP



## DBA-GEC145LD-HP





## Technical Data

Parameters	DBA-GEC280LD	DBA-GEC400LD	DBA-GEC550LD
Dehumidifying Capacity (30°C 80%RH)	280L/Day	400L/Day	550L/Day
Dehumidifying Capacity (26.7°C 60%RH)	132L/Day	240L/Day	276L/Day
Cover Area	2500-3000Sqft	3000-4000Sqft	4000-5000Sqft
Airflow	1700CMH	3250CMH	3250CMH
Sound Pressure Level at 3 Meters	58dB(A)	65dB(A)	65dB(A)
Static Pressure	80Pa	80Pa	80Pa
Rated Power	2580W	4600W	4900W
Max. Power	3510W	6250W	6550W
Rated Current	5.8A	10.2A	12.5A
Max. Current	7.2A	12.5A	15.0A
Voltage	380V 3N ~50Hz	380V 3N ~50Hz	380V 3N ~50Hz
Air Outlet Dimension	530*290mm	985*228mm	985*228mm
Air Inlet Dimension	670*390mm	965*430mm	965*430mm
Drain Outlet Size	DN15	DN25	DN25
Refrigerant	R410A/1.9kg	R410A/1.9kg x 2	R410A/2.2kg x 2
Operating Temperature	5-40°C	5-40°C	5-40°C
Weight	108kg	210kg	240kg
Dimension	1137*900*540mm	1270*1200*605mm	1270*1200*605mm

\*Specifications are subject to change without prior notice.



Configuration	DBA-GEC280LD	DBA-GEC400LD	DBA-GEC550LD
Stainless Steel Mesh Filter	✓	✓	✓
Cold Rolled Steel Casing	✓	✓	✓
Emergency Stop Button	✓	✓	✓
Humidity Sensor with Cable	5 m	5 m	5 m
86x86mm LCD Control Panel with Cable	8 m	8 m	8 m
Type G Plug with Cable	5 m	5 m	5 m
Remote Controller	✓	✓	✓

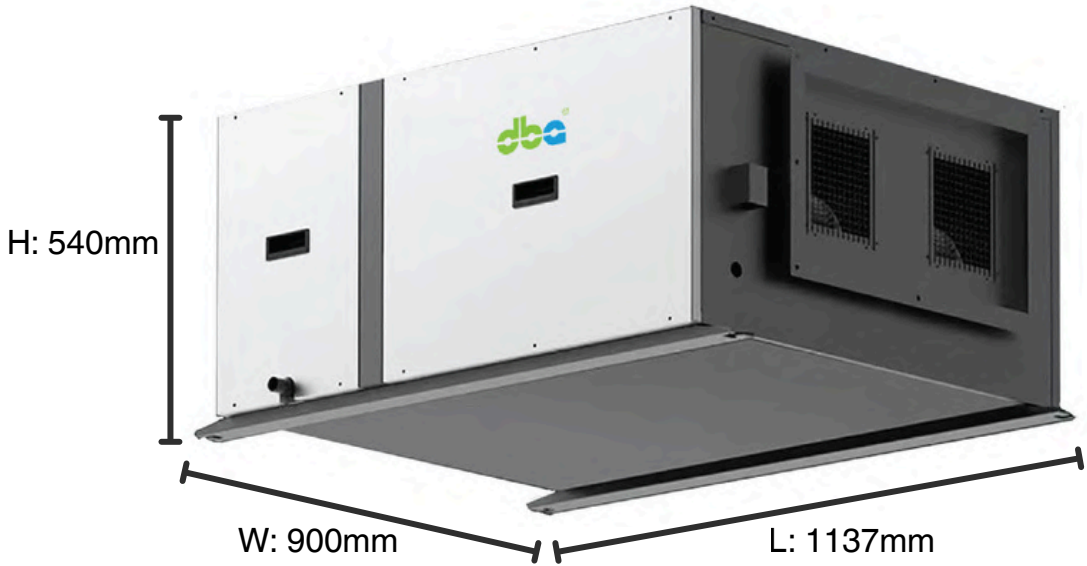
\*Specifications are subject to change without prior notice.

Control	DBA-GEC280LD	DBA-GEC400LD	DBA-GEC550LD
Set Humidity Range	20 - 95%	20 - 95%	20 - 95%
Fan/Dehumidifying Modes	✓	✓	✓
Scheduled On/Off Timer	✓	✓	✓
Fault Detection	✓	✓	✓
Power Off Memory Function	✓	✓	✓
Smart Home Integration/ BMS RS485 (Modbus)	✓	✓	✓
Remote On/Off Control	✓	✓	✓
Water Leak Sensor Port	✓	✓	✓
Fault Indicator Output (220V 6A)	✓	✓	✓
Power Output (220V 6A)	✓	✓	✓
External Pump Fault Input	✓	✓	✓

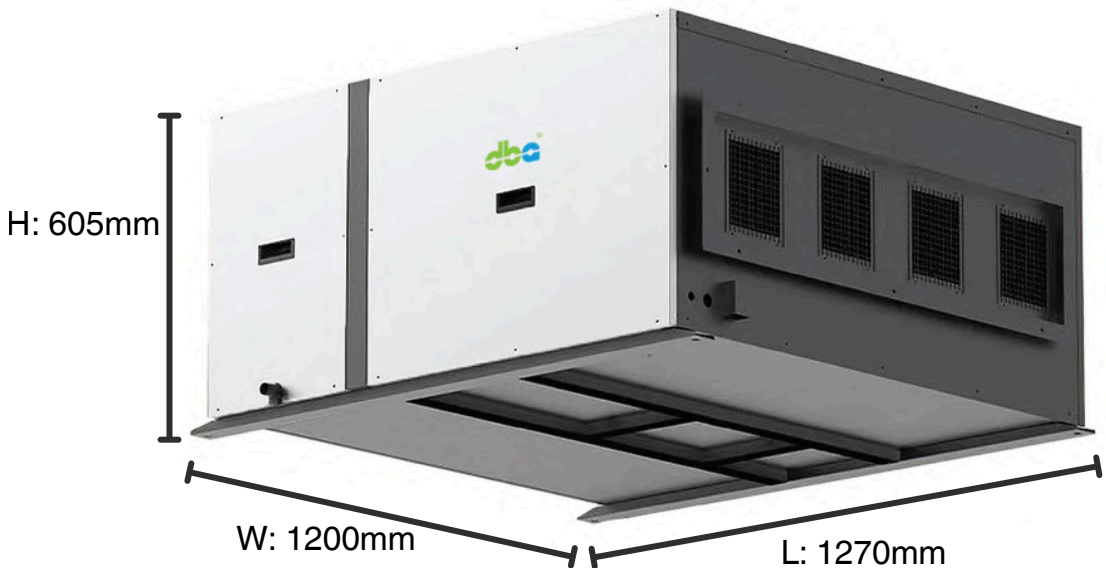
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## DBA-GEC280LD



## DBA-GEC400LD DBA-GEC550LD



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