

MERENFORT DOF Series



Fresh air purification Dehumidification

Hazards of High Humidity

1. High humidity in the air can easily breed bacteria and mold. Working or living in places with high humidity for extended periods can lead to allergic reactions, rheumatism, and other similar ailments.
2. During the rainy season, when the weather turns humid, walls may become damp and peel off. Clothes, leather goods, wooden furniture, and audio equipment are prone to mold damage and may develop unpleasant odors.

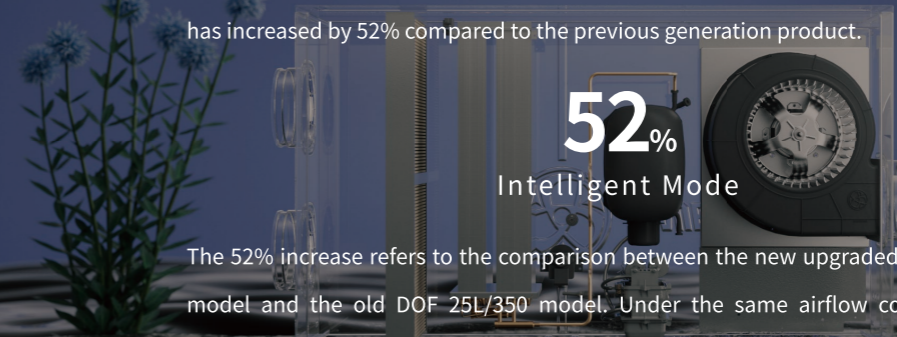
Blauberg Dehumidification Solutions

Blauberg combines two major functions: high-volume fresh air purification and powerful dehumidification.

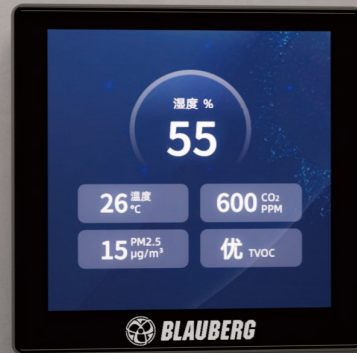
It continuously introduces fresh air to ensure the dryness and cleanliness of basement and indoor air.

The dehumidification capacity increased by 52%, enjoying clean and dry air.

The new generation DOF utilizes newly upgraded fans and compressors, undergoing multiple flow channel improvement designs, significantly enhancing the dehumidification capacity of the equipment. The 350 airflow model's dehumidification capacity has increased by 52% compared to the previous generation product.



The 52% increase refers to the comparison between the new upgraded DOF 38L/350 model and the old DOF 25L/350 model. Under the same airflow conditions, the dehumidification capacity has increased from 25L to 38L, representing a 52% increase.



Triple noise reduction for quieter

- Utilizing the latest generation BLAUBERG DC variable frequency fan for stable airflow and lower noise.
- Upgraded compressor quality ensures smoother operation with minimal vibration, resulting in quieter air
- The EPP (Expanded Polypropylene) structure is integrally formed, providing excellent sealing performance, as well as insulation properties and outstanding soundproofing and noise reduction effects

Smart control via mobile app with a high-definition color screen, serving as a wall-mounted air butler

The new generation DTF supports mobile app control, allowing real-time monitoring of air quality (temperature, humidity, PM2.5, CO2, TVOC). The upgraded high-definition color screen controller features a user-friendly interface, serving both as a switch and a wall-mounted air butler.

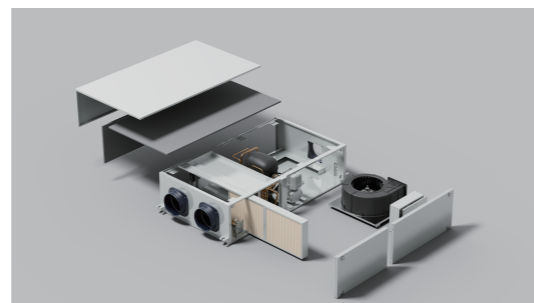
**Five Operating Modes
Easy Adjustment from the Start**

	Supply fan	Supply fan	Supply fan	Supply fan
Intelligent Mode	Intelligent Judgment		●	●
Fresh Air Ventilation	●	×	●	×
Powerful Dehumidification	×	●	●	●
Fresh Air Dehumidification	●	×	●	●
Rapid Purification Mode	×	●	●	×

- Represents enabled/available feature, × Represents disabled/unavailable feature
- In Intelligent Mode, the airflow switches between internal circulation and fresh air mode, automatically selecting a comfortable humidity target based on the environment.

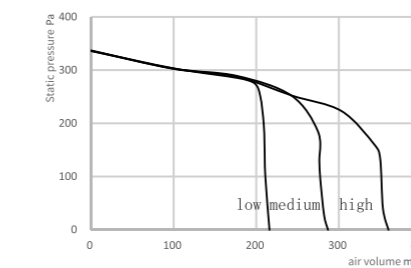
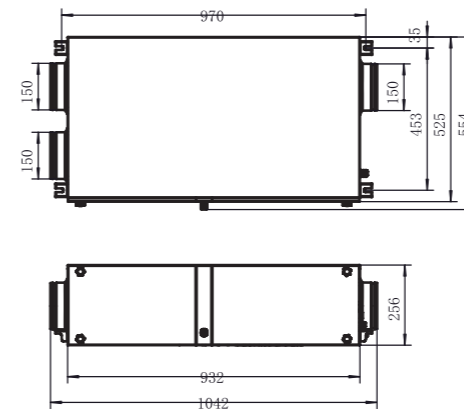
**Sleek Body, Modular Design
Convenient Maintenance**

The new generation DOF features a sleek modular design for ceiling installation, making filter replacement and maintenance more convenient.

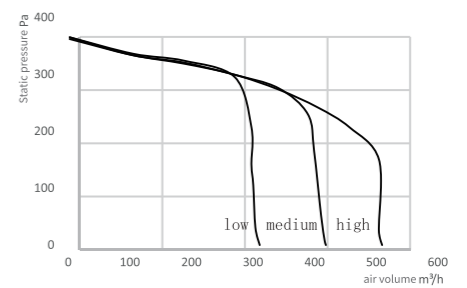
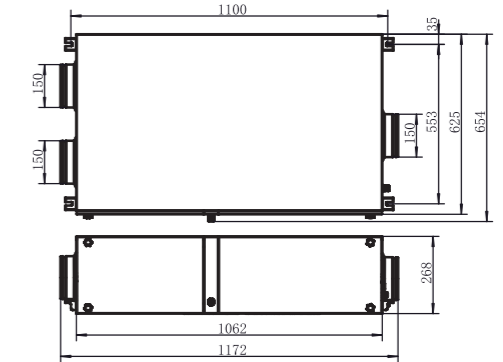


DOF Series - Product Dimensions

MERENFORT DOF 38L/350-ARF-2.0



MERENFORT DOF 70L/500-ARF-2.0



DOF Series - Technical Parameters

Technical Parameters	MERENFORT DOF 38L/350-AR-2.0	MERENFORT DOF 70L/5000-AR-2.0
Rated Voltage [V]	220	220
Rated Frequency [Hz]	50	50
Rated Input Power [W]	390	740
Rated Current [A]	4.0	7.4
Dehumidification Capacity	30/80[L/D]	38
	27/60[L/D]	20
Rated Airflow [m³/h]	high/medium/low: 350/280/210	high/medium/low: 500/400/300
Fresh Air Intake [m³/h]	0-350	0-500
External Static Pressure [Pa]	150	150
Noise Level [dB(A)]	36	42
Applicable Area [m²]	50-75	75-140
Filter level	Silver Ion + HEPA	Silver Ion + HEPA
Filter Grade Refrigerant / Charge [g]	R290/200g	R290/300g
Weight [kg]	43	58
Air Outlet Flange [mm]	150*3	150*3
Dimensions (Main Body) [mm]	932*554*256	1172*654*268

1. The data for input power, dehumidification capacity, noise level, and air volume are all tested under dehumidification mode.
2. The data for air volume, input power, dehumidification capacity, etc., are measured with 1m ducts connected to the air inlet and outlet of the unit, with a static pressure of 0Pa.
3. The noise level is the A-weighted average sound pressure level, which represents the central value of the laboratory test results with a tolerance range of ±3dB.
4. The noise level is measured at a distance of 1.5m below the product in a semi-anechoic chamber (with a 1m silencer pipe connected to the air outlet of the unit and a 1m duct connected to the air inlet).
5. The dehumidification operating temperature refers to the range within which the compressor can start and operate only when the inlet air temperature of the dehumidifier is within this range. This does not affect the operation of the fan.