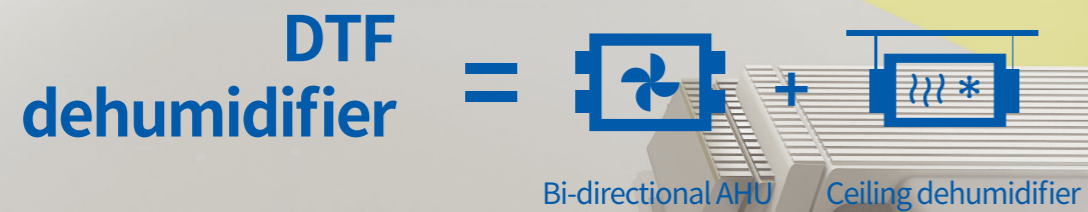


MERENFORT DTF Series



Fresh air purification Isothermal 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.

Isothermal dehumidification

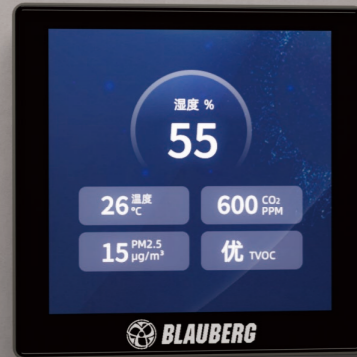
The new generation DTF Series, with its special condensation design combined with a heat exchanger, can avoid the issue of traditional dehumidifiers having excessively high air supply temperatures. It achieves the effect of delivering air with the same temperature as outdoor fresh air after humidity treatment, enhancing indoor comfort and reducing air conditioning load.

The dehumidification capacity has increased by 52%, ensuring that the air remains fresh without being 'damp'

The all-new upgraded DTF series adopts the latest generation Blauberg DC variable frequency fan and high-quality compressor, having undergone multiple rounds of optimization design, resulting in a significant increase in dehumidification capacity compared to the previous generation products.

52% The improvement rate of dehumidification capacity*

*The 52% improvement refers to the comparison between the new upgraded DTF 38L/350 model and the old DTF 25L/350 model. With the same air volume, 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 major operating modes

Intelligent Mode: One-click smart operation without the need to set a target humidity. Utilizes an intelligent humidity target determination mechanism (applicable under smart mode) to automatically select the optimal humidity based on the current temperature. Operates in fully automatic dehumidification mode.

Fresh Air Ventilation Mode: Dehumidification is turned off, allowing outdoor fresh air to enter the indoor space while expelling indoor stale air outdoors.

Powerful Dehumidification Mode: Does not introduce outdoor air; instead, circulates indoor air for dehumidification. Requires manual setting of the target humidity.

Fresh Air Dehumidification Mode: Expels indoor polluted air while introducing outdoor air. The outdoor air undergoes dehumidification before being introduced into the indoor space. Requires manual setting of the target humidity.

Rapid Purification Mode: When indoor PM2.5 concentration is high, the rapid purification mode can be selected to quickly filter and remove indoor PM2.5 particles.

Choose from these five modes and pair with an air quality sensor to customize indoor air quality.

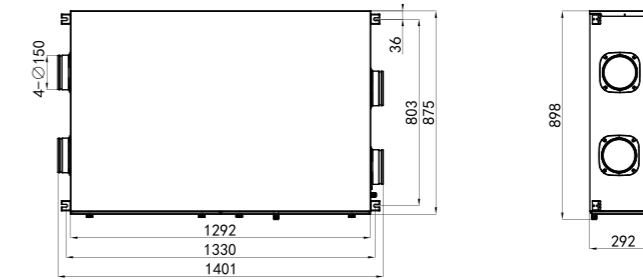
	Supply fan	Exhaust fan	Dehumidification function
Intelligent Mode	●	●	●
Fresh Air Ventilation	●	●	×
Powerful Dehumidification	●	●	●
Fresh Air Dehumidification	●	●	●
Rapid Purification Mode	●	×	×

* ● Represents enabled/available feature, × Represents disabled/unavailable feature

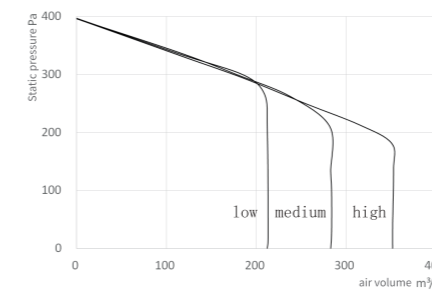
* In Intelligent Mode, the airflow switches between internal circulation and bidirectional fresh air, automatically selecting a comfortable humidity target based on the environment.

DTF Series - Product dimensions

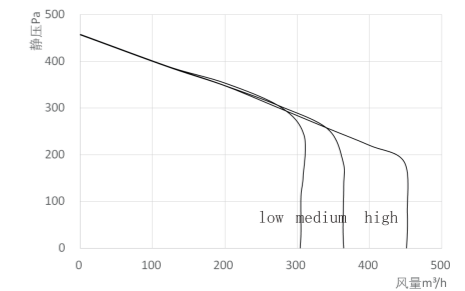
MERENFORT DTF Series



MERENFORT DTF 38L/350-ARI-2.0



MERENFORT DTF 70L/450-ARI-2.0



DTF Series - Technical Parameters

Technical parameters	MERENFORT DTF 38L/350-ARI-2.0	MERENFORT DTF 70L/450-ARI-2.0
Rated voltage [V]	220	220
Rated frequency [Hz]	50	50
Rated input power [W]	390	840
Weight [kg]	92	100
Dehumidification capacity	30/80[L/D]	70
	27/60[L/D]	38
Total heat exchange efficiency	cooling capacity recovery [%]	55
	heat recovery [%]	60
Rated air volume	Fresh air flowrate [m³/h]	high/medium/low: 350/280/210
	Return air flow rate [m³/h]	high/medium/low: 300/230/160
Available fresh air intake [m³/h]	0-350	0-450
External pressure difference [Pa]	150	150
Noise level [dB(A)]	34	41
Applicable area [m²]	50-75	75-140
Filtration level	fresh air	silver ions+HEPA
	return air	silver ions+G3
Refrigerant/refill amount [g]	R290/200g	R290/300g
Dehumidification Operating temperature (°C)	1-40	1-40
Dimensions [mm]	1290*875*292	1290*875*292

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.