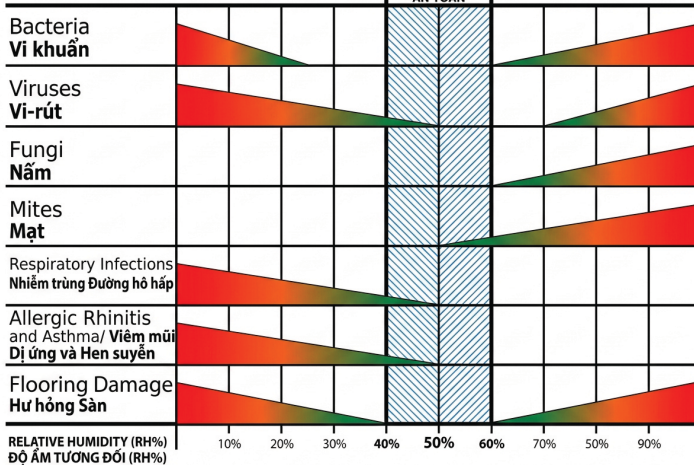




Heat-Pump DeAir Dehumidifier

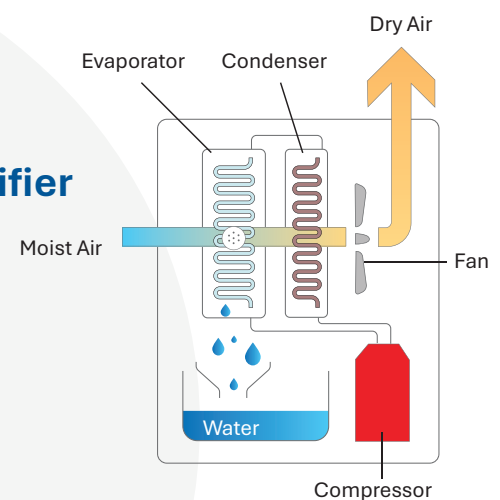
Health Risks Rủi ro Sức khỏe



Impact of high humidity

High humidity negatively impacts the production and storage of goods:

- In production: Reduced quality (mold, rust, deformation, slow drying), process disruption (electronic errors), increased costs (error handling, extended lead times).
- In storage: Damage to goods (bacteria, mold, insects), reduced shelf life, impact on packaging (mold, decay).



The operating principle of a condensing dehumidifier

- First, a centrifugal fan draws humid air into the machine. At the evaporator, the air is cooled below its dew point, causing the water vapor to condense into water and drain out. Then, the cooled air passes through the condenser to be warmed again. Finally, the warm, dry air exits, entering the area requiring treatment and continuing the dehumidification cycle.

Main parts



Vthermo Coil System

Promek 3-layer anti-rust paint



Copelands Heat Pump Compressors
American brand

Durable, energy efficient



AIR KING Fan
Taiwan

High-performance and energy-efficient engine



Electrical equipment from the MITSUBISHI brand - JAPAN

Automatic operation and energy saving

Heat-Pump technology in DeAir dehumidifiers saves energy.

The Heat-Pump technology in DeAir.Re dehumidifiers is a significant advancement over conventional condensation dehumidifiers. Instead of simply cooling to condense moisture, **Heat-Pump technology** utilizes the heat released during condensation to warm the air after the moisture has been removed. This offers several advantages:

- **Higher energy efficiency:** Heat reuse reduces electricity consumption compared to conventional dehumidifiers.
- **Better performance at low temperatures:** Heat-Pump dehumidifiers maintain stable dehumidification performance even in low ambient temperatures.
- **Less cooling of the surrounding environment:** Because the blown air is already slightly heated.



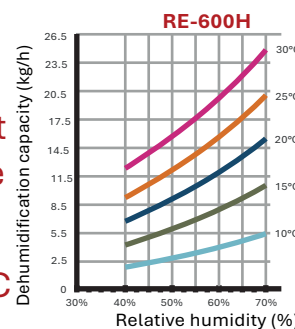
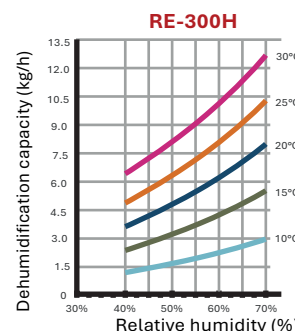
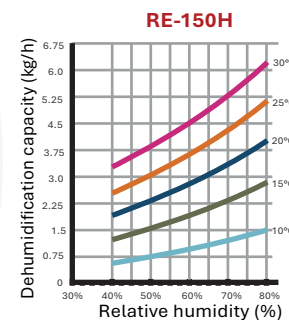
DeAir.RE-H Stainless Steel Heat-Pump Dehumidifier

Model	Dehumidification Capacity
DeAir.RE-150H	150 kg/day
DeAir.RE-300H	300 kg/day
DeAir.RE-600H	600 kg/day



Technical Specifications

Model		DeAir.RE-150H	DeAir.RE-300H	DeAir.RE-600H
Operating Temperature	°C	15-60	15-60	15-60
Dehumidification Capacity @30°C/70%	kg/day	150 @30°C/80%	300	600
Airflow	CMH	1,500	3,000	6,000
Noise Level	dBA	55	59	65
Refrigerant Type		R410A		
Refrigerant Charge	kg	1.9	1.9	4.3
Power Supply	V/Ph/Hz	220/1/50	380/3/50	
Power Consumption	kW	1.495	4.6	9.2
Power Consumption of Heater (Optional)	kW	none	4.5	8.4
Dimensions (W x D x H)	mm	460x405x975	780x480x1,650	1,250x600x1,800
Weight	kg	45	160	250



DeAir.RE-H stainless steel dehumidifiers incorporate Heat-Pump technology, which significantly boosts energy savings by reusing heat from the condensation process to reheat the dehumidified air.

Featuring a durable stainless steel casing, these dehumidifiers offer enhanced longevity and are ideal for environments demanding high hygiene standards or those with corrosive elements.

* For dehumidifiers with a capacity of less than 150L/day, the duct must be less than 3m. For dehumidifiers with a capacity of over 150L/day, the duct must be less than 5m.

* Industrial dehumidifiers operating in an environment between 15-18°C must be equipped with an additional defroster for the dehumidifier to work properly.