



LUKO

FD-HS Series Dehumidifier & Humidifier

Model:FD-HS100L

Dehumidifying Capacity: 100L/D

Humidifying Capacity:72L/D

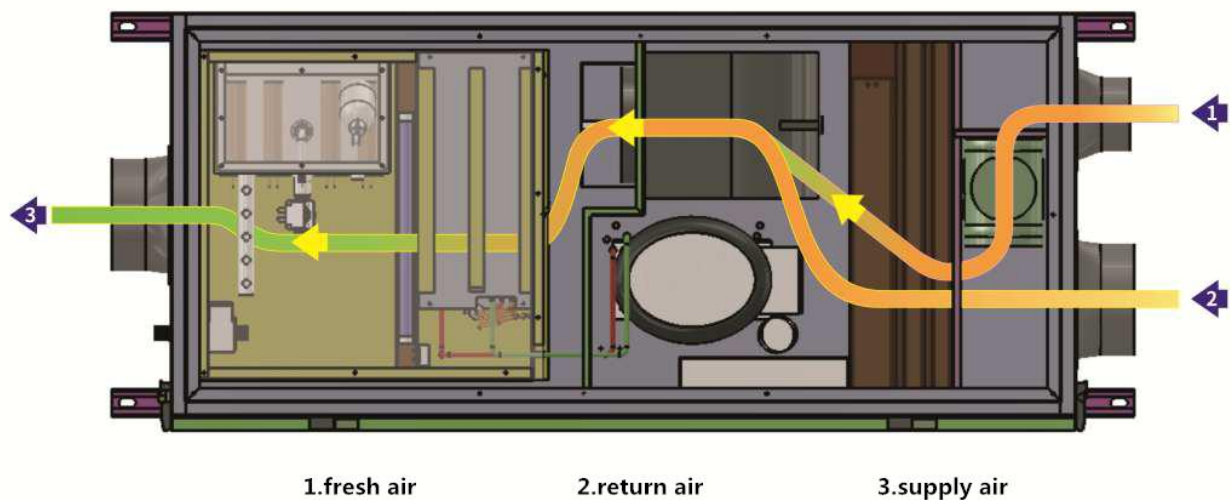
PHOTO





FD-HS Series Dehumidifier & Humidifier

WORKING PRINCIPLE



This system combines PTC electric ceramic heating humidification and condensation dehumidification in one unit.

The hot steam produced by PTC electric ceramic heating is feeding to the fresh dry air. When the room humidity is reached, it will stop working automatically or manually. During the high-humid season, the mixed fresh air and return air will be removed the excess moisture by the direct expansion dehumidification system and then be distributed to the separate space to ensure a healthy dry clean air.



FD-HS Series Dehumidifier & Humidifier

KEY FEATURES

- *The unit used PTC ceramic heating element to heat the water,energy-saving,safe and long life.
- *The body material is made of stainless steel SUS304.
- *The unit comes with air damper for fresh air intake.
- *A mini measuring level sticked on the bottom side of the unit, which can help to keep the balance during installation
- *This unit contains a humidifier, dehumidifier and air purifier all in one.
- *An electric heater can be mounted in the air outlet duct for further heating of the dry air
- *Evaporator and Condenser is epoxy-coated for better durability and corrosion resistant. It is also washable for maintenance service.
- *Condensate trap does not need to install because of the positive pressure drainage design.This helps to save more space during installation.
- *The machine is built for 24/7 operation with automatic dehumidification and positive pressure drainage
- *Low Noise, High Static Pressure, Double Speed Centrifugal EC motor Fan, which allow fan speed adjustment.
- *Blue hydrophilic-coated aluminum-fin heat exchanger coils and SS304 condensate drain pan is made of prevent corrosion damage;
- *Purifying spare parts replacement is mandatory,which can better improve the air quality and the machine's service life.
- *Air Purifying section can be integrated freely into the system(Medium Efficiency Filter, HEPA Filter, Activated Carbon Filter, UV Sterilizing Lamp and Negative Ionizer).
- *The machine uses name-brand compressor Panasonic or Embraco,with eco-friendly R410A or R134A refrigerant.
- *The machine can be connected and monitored with RS485 interface and Wi-Fi App.
- *Built-in Centralized Fresh Air Fan with self-balancing function to exhaust excessive moisture from the indoor ambient air
- *Touch screen controller (integrated with temperature & humidity sensor) simplifies complex wiring and installation.



LUKO

FD-HS Series Dehumidifier & Humidifier

CONTROL





FD-HS Series Dehumidifier & Humidifier

TECHNICAL DATAS

MODEL	FD-HS100L
Dehumidifying Capacity(30℃,80%RH)	100L/D
Humidifying Capacity(20℃,20%RH)	72L/D
Supply air flow(m3/h)	1200~1350
Fan speed	2-speed/variable speed
Static pressure	100 Pa
Return air flow(m3/h)	680~800
Fresh air flow(m3/h)	320~400
Power	2250W
Current	10A
Voltage	220V/50Hz
Control	smart controller
Noise level	<45DB
Compressor	Brazil-imported Embraco
Refrigerant	R134A
Condenser	copper tubes with blue hydrophilic-coated aluminum fins
Drain pan	SUS304
Drain hole size	DN20
Filter	G4 efficiency
Purification	UV Air Sanitize r+Anion Generator
Return/Supply/Fresh air duct	Φ200 / 200 / 150 mm
Net weight	85kg



FD-HS Series Dehumidifier & Humidifier

DIMENSION

