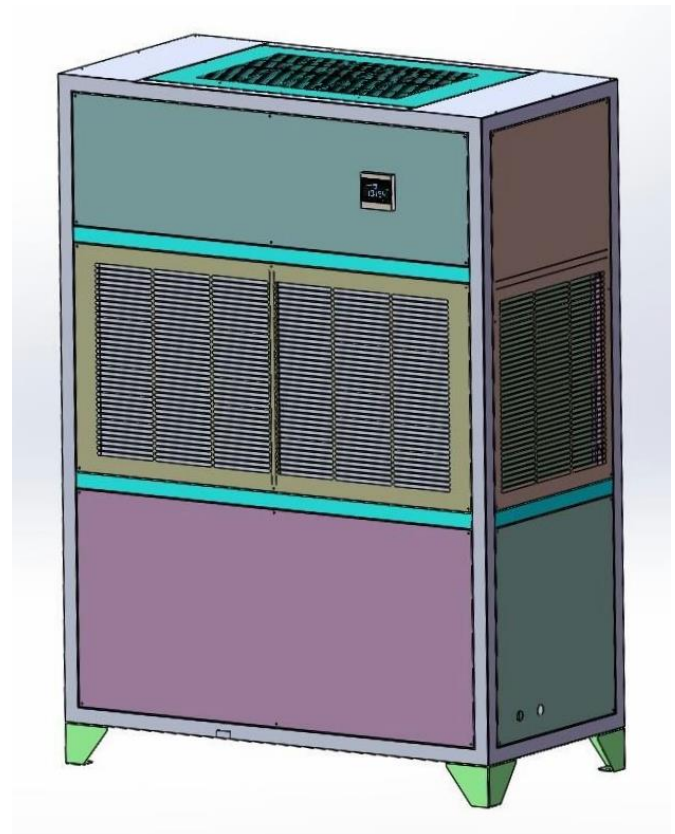


Model: ecoFD-A35H Industrial Floor Standing Dehumidifier

Dehumidifying Capacity: 840 liter / day @ 30°C, 80%RH

KEY FEATURES:

- **New 3-Ways Air Inlet for better efficiency with bigger dehumidifying surface.**
- The body material is made of cold-rolled sheet metal with epoxy powder coating paint
- Evaporator and Condenser is coated for better durability and corrosion resistant. It is also washable for maintenance service.
- Low maintenance cost and Energy Efficient Design.
- **Reliable and High-Performance Scroll Compressor with environmental friendly refrigerant R410A.**
- **Energy Saving, High Efficiency EC Backward Curved or AC Centrifugal Fan for Low Noise, High Static Pressure operation with Variable Speed Controller.**
- Aluminum Mesh Filter for heavy duty usage and washable.
- The machine built for long hour operation 24/7.
- Advance touch button controller with built-in temperature and humidity sensor. User friendly operation. Easy to set up and settings will be stored in memory.
- Honeycomb Structure Evaporator with
- Hydrophilic Water-Repellent Blue Coating.
- Water Drain Pan is made of **SUS304 stainless steel** to prevent corrosion damage.

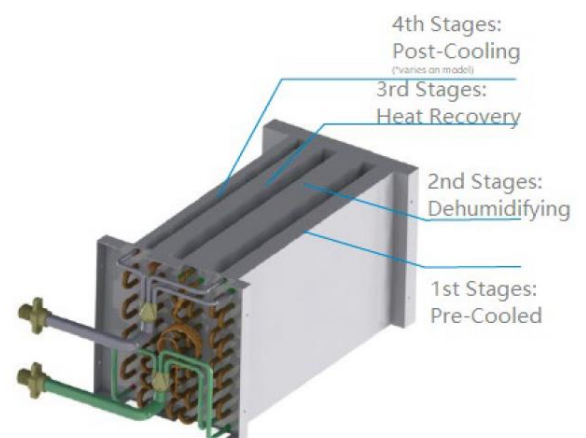


ecostar's Dehumidifier is built-in with the latest AC or EC centrifugal fan technology to meet the demand for high-performance and energy efficient product. Our Centrifugal Fans are precision balanced to provide superior performance. The reduced power consumption of the high efficiency motor directly translates to savings, a new standard for energy savings and performance have been achieved. Our centrifugal fans are ideally suited for many air-moving applications, dehumidifiers and air conditioner

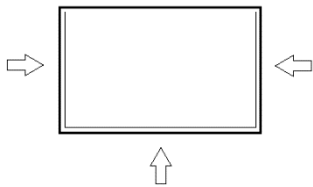


A Dehumidifier performance depends largely on its compressor, we used only International Reliable compressor such as Panasonic, Daikin, Hitachi and Copeland. With a good compressor, the machine could perform efficiently and effectively on every power that it consumes. Which this also reflect on energy saving and cost saving.

Our condenser is coated with a Blue Hydrophilic Coating which can easily repel water and drop into **the SUS304 Stainless Steel Water Collection Pan**. The coating not only anti-rust, it also triples the lifespan of the condensers too. This special coating lets you enjoy more years of reliable comfort plus extra economy over the long run.

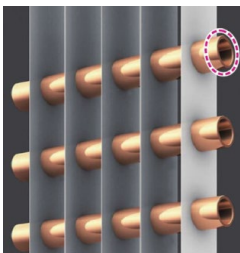


Other Features:



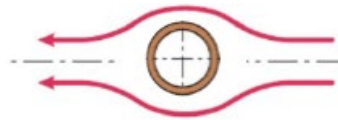
Three-Ways Air Inlet

Our machine is uniquely designed with Three-Ways air inlet to allow more surface in contact with the condenser, thus achieving optimum dehumidification with maximum energy efficiency.



INTERNAL THREAD COOLING PIPE

Condenser with Internal Thread Pipe, help to increase efficiency by 32%. At the same time reduce wind resistance by 25%.



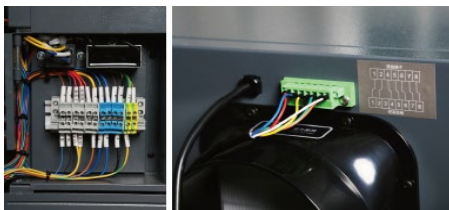
INTELLIGENT CONTROLLER

Touch-Sensitive Intelligent Controller, which is programmed with our own propriety programming logic that send unique code and instruction to allow the machine to operate at it optimum performance by consuming lesser energy.



ELECTRONIC EXPANSION VALVE

Effectively control the flow of the refrigerant, which is 2x more effective than the normal thermal expansion valve.



ROBUST CONSTRUCTION WITH LESSER PART TO REPLACE

We design our machine with user friendly and easy maintenance in mind. Hence, our machine doesn't come with Main PCB Board, Display Board, Button Panel as all is control by a Single Intelligent Controller. All of our machine features is built in a robust frame of 1.2mm thickness with SUS304 drain pan, that would ensure this machine tough to withstand industrial environment.

Technical Data

Model	FD-A35H
Type	Industrial Dehumidifier with 3 ways air inlet
Dehumidifying Capacity @ 30°C, 80%RH	840L / day
Air Flow Rate	8500 m ³ /h with Variable Speed
Rated Power in Operation	13.8 kW
Rated Current in Operation	21 A
Voltage	415V / 3PH / 50Hz
Motor	AC type or EC – Electronically Commutated
Impeller Vane	Aluminum Backward Curved Centrifugal or Forward Curved Centrifugal
Fan Speed	Single Speed / Variable Speed Control
Static Pressure	200Pa
Controller	Digital Controller with Honeywell Temperature and Humidity Sensor
Controller Accuracy with 's propriety programmed logic	± 2%RH
Operating temperature	5 - 38°C
Machine Structure	1.2mm SPCC cold rolled metal body with thick frame
Coating	Industrial Grade Powder Coated
Dust Filter	Durable Aluminium Mesh Filter
Drain Pan	SUS304 Stainless Steel with Powder Coated for extra protection
Condenser and Evaporator	Honeycomb Aluminum Fins with Hydrophilic coating
Defrost	Patented automatic defrosting system – able to operate at 5°C of low temperature
Electronic Expansion Valve	Equipped with precision control of refrigerant flow with Electronic Expansion Valve
Pressure Switch	Equipped with low pressure switch for protection on compressor
IP Rating	IP54
Electrical Shock Protection Rating	IPXI
Protection	Delayed startup protection
Refrigerant	R410A / R22
Weight	250kg
Drain Outlet Dimension	DN25
Dimension	1200(W) x 616(D) x 1670(H) mm

*Technical specification and dimensions are subject to change without prior notice

Machine Dimension

