# DRYMAX TEMPERATURE AND RH CONTROL UNIT-DMTH

## Model: DMTH-8-256-46-DX-AL-DS-E-8



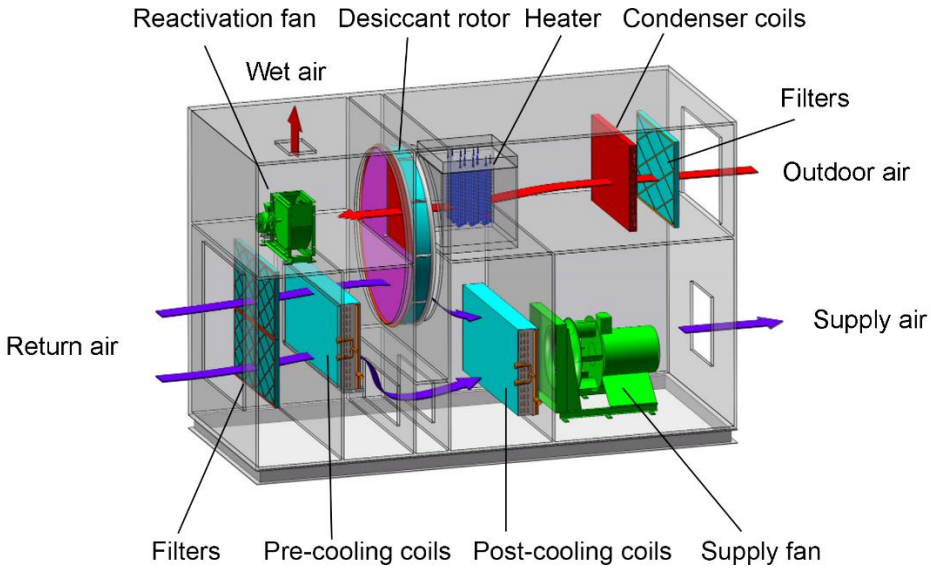
Drymax temperature and RH control units, DMTH-series are specifically designed to control temperature, relative humidity to a very low dewpoint applications .

**Key benefit**

- Lower capital and installation cost comparing to combined air-conditioner and dehumidifier.
- Quick and simple installation.
- Low dewpoint application.

**Product description**

DMTH unit's body is made of insulated double-skin and aluminium frame to ensure minimum cross-heat transmission, lightweight and stand heavy operation conditions. The DMTH standard unit comprise following main components:



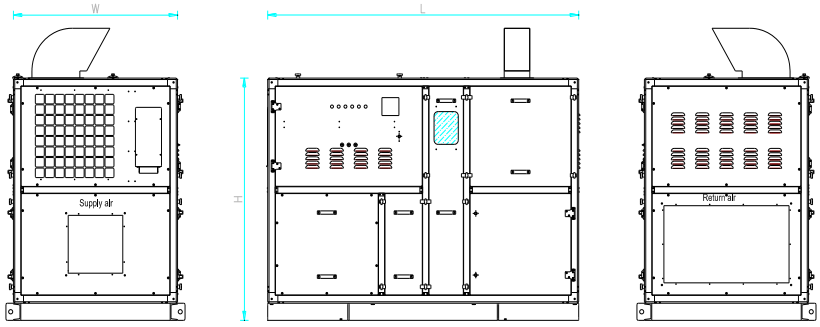

*Note: depending on specific requirement, electric heater can be replaced fully or partically by condenser coil for better COP*

**Product selection**

Drymax trained engineer and representative work with you during selection process to ensure that the design, specification and configuration perfectly met with your unique requirements.

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## Main specification and parameters




**Pre-cooling module:**
- Cooling capacity (Btu/h) : 36,000 + 60,000
- Filter : G4 & F8
- Airflow rate (CMH) : 8,000

**Dehumidifier module:**
- Dehumidification capacity (kg/h) : 46.0 (@20ºC/60%)
- Process airflow rate (CMH) : 8,000
- Reactivation:
  - Airflow rate (CMH) : 2,700
  - Available external static pressure (Pa) : 300
  - Electric heater capacity (kW) : 81

**Post-cooling module:**
- Cooling capacity (Btu/h) : 160,000
- Airflow rate (CMH) : 8,000

**General**
- Process airflow rate (CMH) : 8,000
- Available external static pressure (Pa) : 800
- Coil medium : R410A
- Refrigerant temperature (inlet/outlet, ºC): 7/12
- Max total power consumption (kW) : 91.32
- Power source : 3ph/380V/50Hz
- Noise (dBA): 72
- Dimension (mm) :  3,000 x 1,400 x 2,020(H)
- Weight (kg) : 1,500

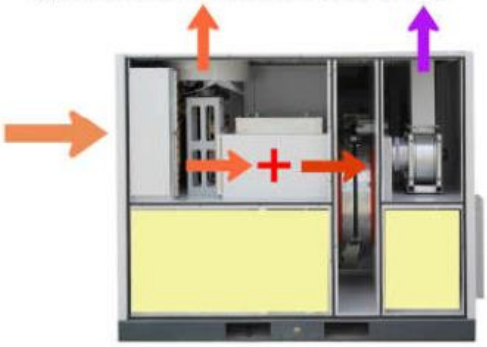
**DrySave saving example**

30ºC 55ºC 110ºC*

< Condensing heat > + <Heater > = Total reactivation heat

**Energy saving = 25ºC/80ºC = 31%**

** Typical outdoor condition for tropical climate*



## Control

Airflow rate is controlled steplessly by inverter which saves energy consumption and provides accurate airflow amount. Cooling capacity is controlled by PLC under high demand in industrial application.

## Superb Desiccant  Rotor

DRYMAX DMTHs use best quality desiccant rotor. Its design team always calculate rotor capacity by Hytek performance software with correct outdoor condition where the unit is expected to install to ensure its rated capacity is what customer can realy receive.

## About Drymax

Drymax desiccant dehumidifiers are products of NAAV Solutions Inc. ( Canada) with headquarter located at Vancouver, BC, Canada and manufacturing/ assembly facilities located in North America and Vietnam

**Distributor**

*Subject to change without notice*