

# DRYMAX TEMPERATURE & RH CONTROL UNIT DMTH-15-240-16-DX-AL-E-5-100



PROUD TO BE CANADIAN

Drymax temperature and RH control units (DMTH) are product of Naav Solution Inc., the Canadian incorporation specializing in designing, fabricating and installing various special industrial air control system and products. The products are designed and customerized by its own in-house professional team, and manufactured at various facilities around the world under quality supervision of regional directors to best serve each local regional markets which required different standards and some extent of customization to suit particular applications but still comply with general quality policy and guideline issued from its headoffice in Canada.

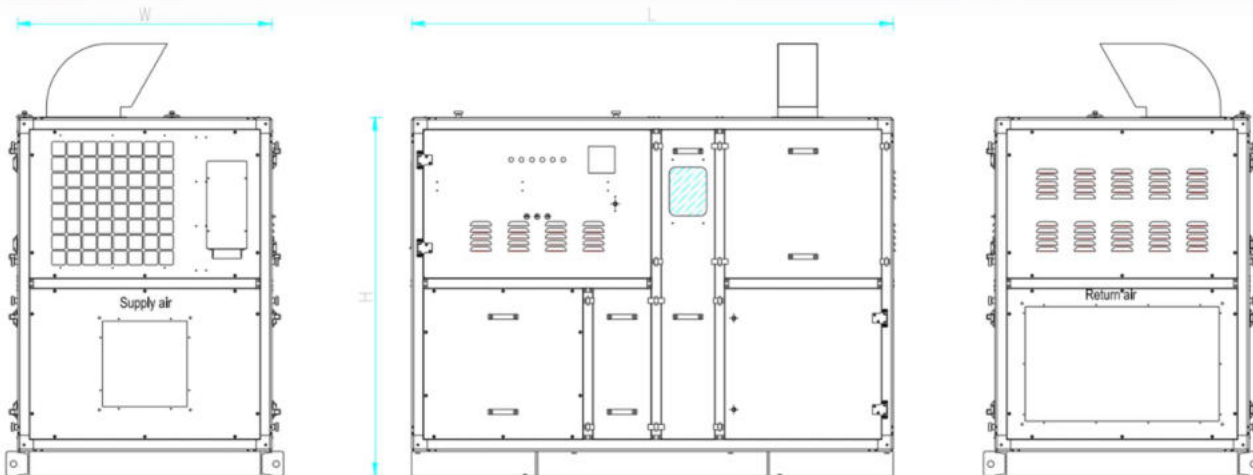


## Key benefits

1. High efficiency, durable Drymax desiccant rotor (fire resistance & strength tested under ASTM E84)
2. Three main rotor type: a) DDS (standard), b) DDH (hygienic enhancement), c) DDL (low-dewpoint application)
3. Performance are precisely calculated at outdoor condition at installation site to prevent actual capacity's shortage
4. Unique slip-in rotor section to ensure quick-and-easy assembly for hassle free clean and replacement purpose.
5. Process fans are high efficiency un-house direct-driven overload-free backward-inclined type to meet hygiene & energy requirement.
6. Various control options: a) standard base control, b) HMI (DDC), c) BMS compatible.
7. Choice of reactivation heating source: a) Electric (standard), b) Steam (option) & c) Combinations.
8. RH is controlled precisely due to proportional heating capacity.
9. Three casing options to suit particular application and budget: a) electrostatic coated sheet metal (standard), b) stainless steel & c) thermo-break aluminium panel casing (EN 1886, T3, TB2).
10. Cooling coil is design, fabricated and tested following Ashrae standard 41.1~41.3 and standard 33-78
10. Add-on heat recovery to reduce upto 30% power consumption

Let contact your nearest Drymax consultant engineer to assist you in selecting the best system for your requirement !





## Specification

- Airflow rate (CMH)	: 15,000
- Available external static pressure (Pa)	: 500
- Filter	: G4
- Total cooling capacity (Btu/h)	: 240,000 <sup>1</sup>
- Dehumidification capacity (kg/h)	: 16 (@ 20°/45%)
- Noise (dBA)	: 72
- Max total power consumption (kW)	: 44 <sup>2</sup>
- Power source	: 380V/50Hz/3Ph
- Dim (mm) (L x W x H)	: 3,900 x 2,200 x 1,850
- Weight (kg)	: 1,350

1. Cooling capacity is rated ARI 360 (95F, 80F/67F FDB/FWB)

2. Not include power consumption of condenser units matching required capacity

Note:

### External Condenser

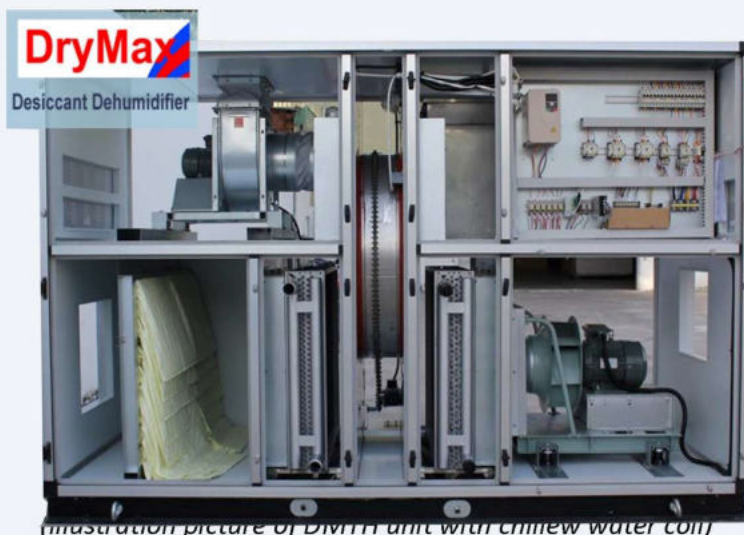
Outdoor condenser with combined capacity of 240,000Btu/h

### Desiccant Rotor capacity

Dehumidification capacity is estimated according to Drymax original rotor performance software.

## General feature

- Fans are of centrifugal backward overload free blade, process fan are plug type.
- Airflow rate is controlled steplessly by inverter which saves energy consumption and provides accurate airflow amount.
- Refrigeration components are equipped with the latest compressor technology and use environmental friendly R407C / 410a
- Cooling coils are manufactured according to AHRI 410-2001 standards and are specially treated to work efficiently in hot and humid environment.
- Drain pans are made of stainless steel 304S.
- Condensers are fully intergrated with compressor, condenser heat exchanger and all other advanced accessories and parts.



(illustration picture of DMTH unit with chilled water coil)

## About Drymax

Drymax intergrated total air control units are products of NAAV Solutions Inc. (Canada) with headquarter located at Vancouver, BC, Canada and manufacturing/assembly facilities located in North America and Vietnam

