DRYMAX DESICCANT DEHUMIDIFIER



Drymax desiccant dehumidifiers (DM-series) 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 surpervision of regional directors to best serve each local regional markets which may 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.





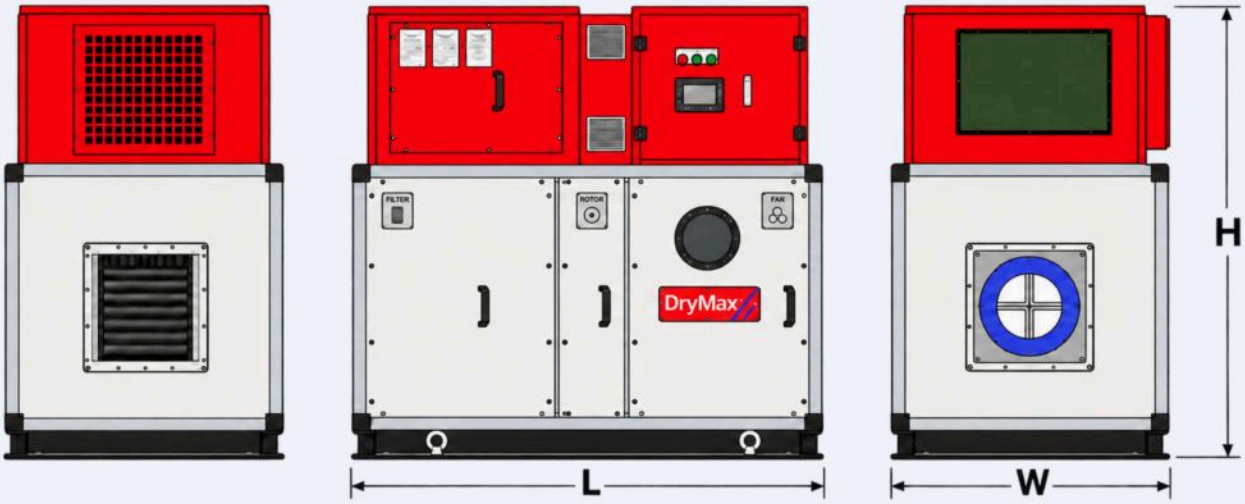


Key benefits

1. *High efficiency, durable Drymax desiccant rotor (fire resistance & strength tested under ASTM E84)*
2. *Three main rotor type: a) Standard (82% Silica gel), b) SuperLow dewpoint Hybrid, c) Renewable low reactivation.*
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 EC high efficiency IE5 class overload-free backward-inclined type to meet hygiene & green requirement.*
6. *Various control options: a) standard base control, b) HMI, c) IOT and/or BMS compatible.*
7. *Choice of reactivation heating source: a) Electric (standard), b) Steam (option), & c) Various heat-claim Combinations.*
8. *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. *Add-on heat recovery to reduce upto 30% power consumption (option)*

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

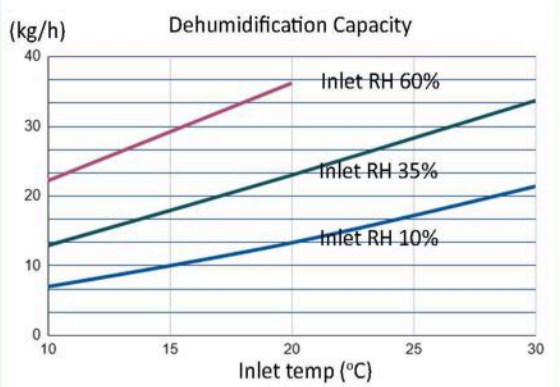
Drymax DM-4500R-AL-E-5



Specification

- Airflow rate (CMH)	: 4,500
- Available external static pressure (Pa)	: 500
- Filter	: G4
- Dehumidification capacity (kg/h)	: 36.2 [1)]
- Noise (dBA)	: 72
- Rated power consumption (kW)	: 54.4 [2)]
- Power source	: 380V/50Hz/3Ph
- Dim (mm) (L x W x H)	: 2,350 x 1,350 x 1,850
- Weight (kg)	: 975

1) Rated at 20°C/60% (inlet air), Ambient (reactivation air) at 22.9 g/kg (A1 zone)
2) Rated at dT = 95°C accross reactivation heater / Electric Heating Reactivation



Main standard components

- DryMax high performance permanent desiccant rotor (82%_Silica gel based).
- High efficiency EC Fan (IE 5) / IP 55 / Low noise / Non-corrosion blade.
- Reactivation by Electric Heater (Finned tubular stainless steel heating element).
- Siemens PLC & 4.3" HMI touch screen

Option

- DryMax high performance permanent desiccant rotor selection:
- *Low pressure drop / SuperLow dewpoint / DOAS / Low reactivation heat*
- Reactivation heating source: 1) steam, 2) hybrid, 3) Renewable intergrated
- BMS compatible
- Larger 7" HMI touch screen
- IOT/Cloud-based monitoring & control



Local manufacturing advantages
Flexible to your engineering infrastructure — custom-made fit.
More component choices — easier maintenance later.
Short lead times — faster delivery.
Lower service costs — simpler upkeep.
Expert support — design & selection by specialists.

Reliable Product Quality.Lean Six Sigma Procedure



Professional design engineers aligned to international standards



Sub-supplier & vendor quality control - Assured product quality



Attention to every detail CTQ (Critical-to-Quality) focus.



Pre-shipment FAT
Tested and verified before delivery.

Subject to change without notice