



## nano D<sup>5</sup>: Compressed Air Dryers

# EH 2500

## 2500 scfm Desiccant Air Dryer

The nano EH externally heated twin tower desiccant air dryer provides clean dry air for a wide range of industrial applications. These dryers use an electric heater to heat a small amount of dry purge air during regeneration to reduce the amount of purge air required, increase efficiency and reduce the running cost of your compressed air network. For consistent performance and cost-effective operation, these dryers are an excellent choice.



| GENERAL CHARACTERISTICS  |                      |
|--|----------------------|
| Rated capacity (scfm) <sup>(1)</sup>                                     | 2500                 |
| Regeneration air (scfm) <sup>(2)</sup>                                   | 200                  |
| Heater (kW)  | 37                   |
| Absorbed power (FLA)   | 58.7                 |
| Half cycle time (hrs)  | 4                    |
| Dryer pressure drop (psi)  | 5                    |
| OPERATING LIMITS   |                      |
| Minimum / design / maximum operating pressure range (psig)               | 70 / 100 / 135       |
| Minimum / design / maximum ambient temperature range (°F) <sup>(3)</sup> | 38 / 100 / 120       |
| Minimum / design / maximum inlet temperature (°F)                        | 38 / 100 / 120       |
| DESICCANT CHAMBERS   |                      |
| Desiccant type   | ¾" activated alumina |
| Desiccant weight per tower (lbs)   | 1200                 |
| Design standard  | ASME (U) / CRN       |
| CONTROLS / DESIGN  |                      |
| Dryer design   | externally heated    |
| Premium controller type (upgrade)  | Allen-Bradley™ PLC   |
| Remote communications available with premium controller                  | Ethernet/Modbus      |
| Power supply (V/Ph/Hz) <sup>(4)</sup>                                    | 460 / 3 / 60         |
| NEMA rating  | NEMA 4               |
| AIR CIRCUIT  |                      |
| In/outlet connection <sup>(6)</sup>                                      | 4" FLG               |
| Filters  | NFZ2500 (M01/M1)     |
| Condensate drain   | zero air loss        |
| ISO CLASS  |                      |
| ISO air quality class (water content)                                    | class 2 (-40°F pdp)  |

(1) In compliance with CAGI ADF 100 specifications for compressed air dryers: Inlet temperature: 100°F, ambient temperature: 100°F, inlet pressure dew point: -40°F. For all other conditions refer to the correction factors or contact [canadasupport@airandgassolutions.com](mailto:canadasupport@airandgassolutions.com)

(2) Based on 50 psig purge pressure

(3) Low Ambient +20°F is a standard option

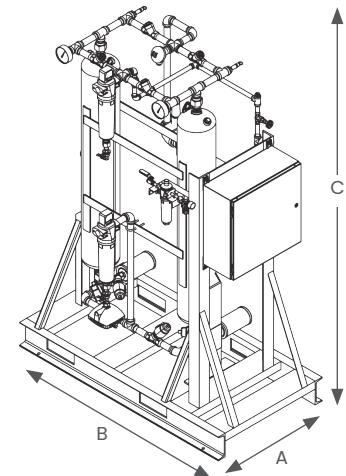
(4) 575/3/60 is a standard option

(5) NEMA 4X is a standard option

(6) All units with 3" piping and above will be ANSI welded pipe

## Dimensions & Weight

| DIMENSIONS AND WEIGHT |      |
|-----------------------|------|
| A (ins)               | 96   |
| B (ins)               | 87   |
| C (ins)               | 111  |
| Weight (lbs)          | 9500 |



# D<sup>5</sup>: Twin Tower Externally Heated Desiccant Air Dryers

## Standard Features

- Made in the USA
- Rugged steel frame
- UL/cUL compliant
- ASME U-stamped pressure vessels
- Dew point monitoring and control
- Low noise exhaust mufflers
- Failure-to-shift
- Mounted pre and after filters included
- Allen-Bradley™ PLC controller
- NEMA 4
- Adjustable purge
- Heatless backup mode

Technical specifications subject to change without notice.  
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