# EHA 500

## 460VAC/60Hz - 500 scfm desiccant air dryer

The nano D5 twin tower externally heated 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 for regeneration to increase efficiency and reduce the amount of purge air required. For consistent performance and cost-effective operation, these dryers are an excellent choice.


| | |
|---|---|
| **general characteristics** | |
| rated capacity (scfm)* | 500 |
| regeneration air (scfm)** | 40 |
| absorbed power (kW) | 10 |
| **operating limits** | |
| minimum/design/maximum operating pressure range (psig) | 80 / 100 / 150 |
| minimum/design/maximum ambient temperature range (°F) | 38 / 100 /120 |
| minimum/design/maximum inlet temperature (°F) | 38 / 100 / 120 |
| **desiccant chambers** | |
| desiccant type | activated alumina |
| desiccant weight (lbs) | 700 |
| **controls/design** | |
| dryer design | PSA externally heated regenerative dryer |
| controller type | PLC |
| NEMA rating | NEMA 4 |
| **heater** | |
| absorbed power (kW) | 10 |
| **air circuit** | |
| air circuit connections (NPT(F)) | 2" |
| **ISO class** | |
| ISO air quality class (water content) | class 2 (-40°F pdp) |

*in compliance with CAGI (ADF 100) / NFPA (class H): inlet temperature 100°F, ambient temperature 100°F, inlet pressure 100 psig, pressure dew point -40°F. For all other conditions, contact support@n-psi.com

**based on a timed cycle at full flow. To decrease regeneration air consumption, please select the -ES Energy Saver option

## features

- UL/cUL compliant
- ASME U-stamped pressure vessels
- pressure vessels rated to 175 psig @ 450°F
- visual moisture indicator
- integral energy saving outlet dew point control (ES optional)
- pre- and after filters recommended
- variety of options including bypass and pre-packaged systems
- low-wattage incoloy sheathed heater

## electrical features

- PLC controller
- fiberglass cUL control panel for NEMA 4X protection class
- ETL approved electrical panel
- four-hour timed NEMA cycle with thermo-couple heater override to prevent overheating in periods of low demand
- two contactors to prevent runaway heater

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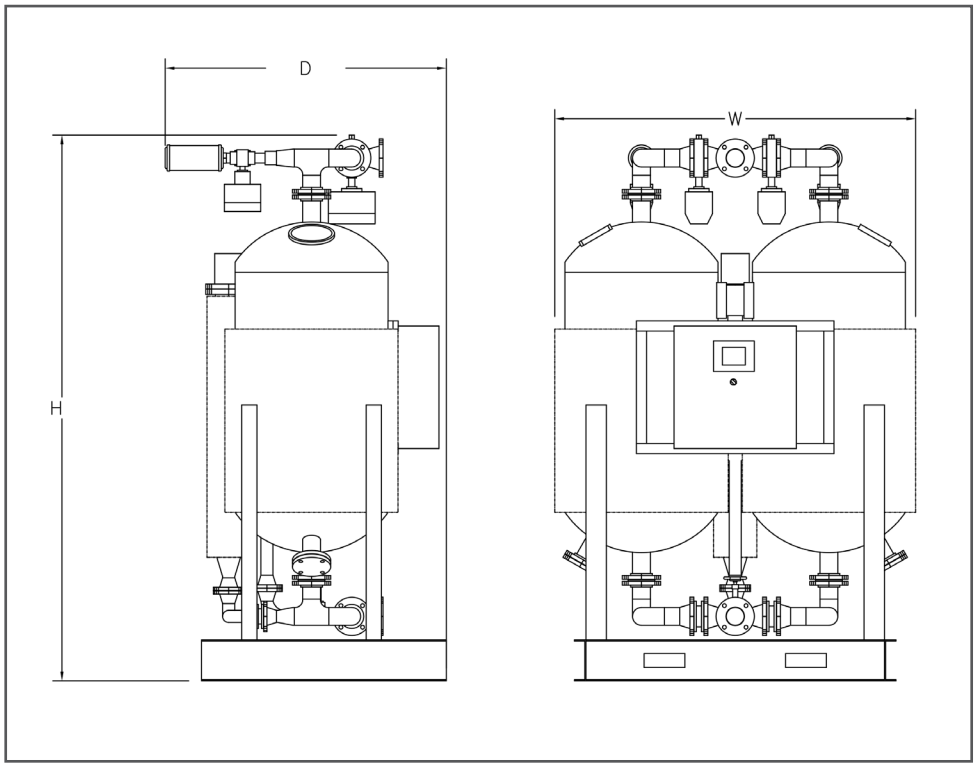
experience



# technical specification

| dimensions & weight | |
|---|---|
| length in (mm) | 49.8 (1264.9) |
| depth in (mm) | 40 (1016) |
| height in (mm) | 87.4 (2220) |
| weight lbs (kgs)* | 2400 (1089) |

*does not include desiccant

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