# RTC 0035-F

## 115/1/60 - 35 scfm refrigerated air dryer

The nano R² range of refrigerated thermal mass cycling dryers are specifically designed for the unique demands of high temperature compressed air applications. These are the optimum choice for fluctuating air flows and harsh environments.

| general characteristics | |
|---|---|
| rated capacity (scfm)* | 35 |
| absorbed power (kW) | 0.47 |
| full load amps (A) | 7.86 |
| power supply (V/Ph/Hz) | 115/1/60 |
| **operating limits** | |
| design operating pressure range (psig) | 0 - 232 |
| maximum refrigerant working pressure (psig) | 247 |
| minimum/maximum ambient temperature (°F) | 34 - 122 |
| maximum inlet temperature (°F) | 158 |
| **refrigerant gas/circuit** | |
| refrigerant type | R134a |
| refrigerant charge per circuit (lbs) | 0.86 |
| **compressors** | |
| compressor type | piston |
| compressor quantity | 1 |
| independent gas circuit | 1 |
| **fans** | |
| fan type | axial |
| fan quantity | 1 |
| **air circuit** | |
| air circuit connections (NPT) | 1” |
| **ISO class** | |
| ISO air quality class (water content) | class 6 |

**rated flow capacity: at 125 psig & 140°F inlet conditions, 95°F ambient, and a 50°F outlet pressure dew point. For all other conditions, please contact support@n-psi for sizing*

## features

- nano F1 1 micron pre filter included as standard
- patented dual transfer thermal heat exchanger
- advanced electronic controller
- built in reliability with a 1 year warranty
- 232 psig standard rating for the complete range
- simple refrigeration circuit with no hot gas bypass valve
- wide air paths – trouble free anti-clogging heat exchanger
- self-adjusting and controlling
- environmentally friendly refrigerant and non-toxic “dry” silica mass
- quick easy startup with no pre-start up cooling programming or calibration
- designed for tough Industrial settings

## advanced microprocessor features

- 3 button digital interface
- digital LED display
- outlet air dew point indication
- user programmable operating parameters
- condensate drain control and test function

**Experience. Customer. Service.**

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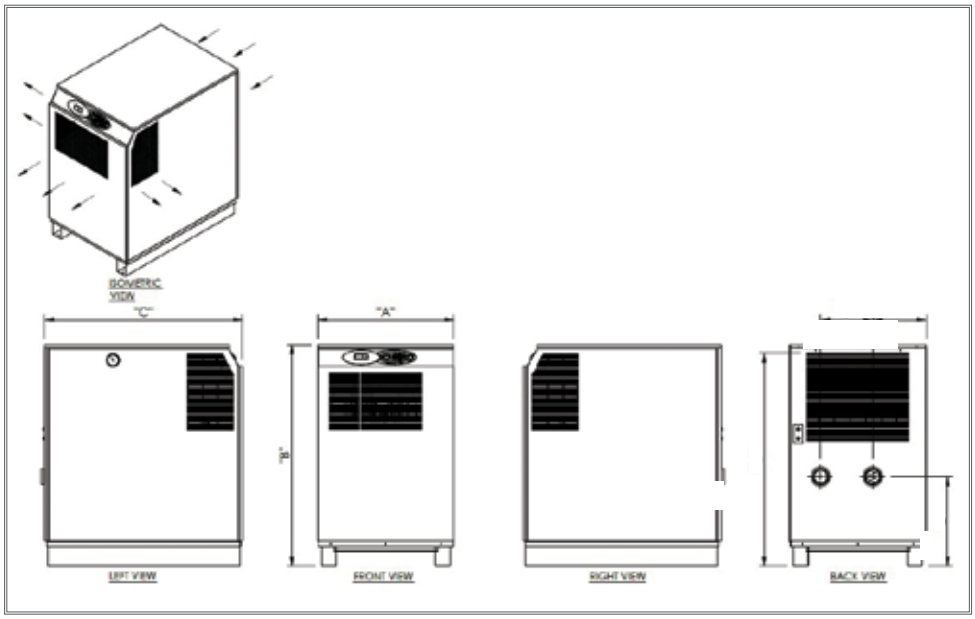
# technical specification

| dimensions & weight | |
|---|---|
| length (ins) | 22.6 |
| depth (ins) | 21.3 |
| height (ins) | 30.2 |
| weight (lbs) | 196 |

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