

DXR 1800 NA

460/3/60 - 1800 scfm refrigerated air dryer

The nano R⁴ direct expansion refrigerated air dryer offers a reliable, cost effective and simple solution to those who need quality dry compressed air for their manufacturing processes. To avoid condensation, and therefore all chance of equipment and end-product corrosion or damage, compressed air needs to be dry — exactly what our range of R⁴ dryers is designed to do.



| general characteristics | |
|---|-------------|
| rated capacity (scfm) ⁽¹⁾ | 1800 |
| absorbed power (kW) | 9.4 |
| full load amps (A) | 15 |
| power supply (V/Ph/Hz) | 460/3/60 |
| pressure drop over dryer (psid) | 4.2 |
| operating limits | |
| design operating pressure range (psig) | 60 to 203 |
| maximum refrigerant working pressure (psig) | 623.5 |
| minimum/maximum ambient temperature (°F) | 41 to 114.8 |
| maximum inlet temperature (°F) | 140 |
| refrigerant gas/circuit | |
| refrigerant type | R410A |
| refrigerant charge per circuit (lbs) | 11.25 |
| compressors | |
| compressor type | scroll |
| compressor quantity | 1 |
| independent gas circuit | 1 |
| fans | |
| fan type | axial |
| fan quantity | 2 |
| cooling air flow (scfm) | 9747 |
| air circuit | |
| air circuit connections (ANSI) | 4" Flg |
| ISO class | |
| ISO air quality class (water content) | class 5 |

(1) rated flow capacity: conditions for rating dryers are in accordance with ISO 7183 (Option A2). Compressed air at dryer inlet: 100 psig (7 bar) and 100°F (38°C); ambient air temperature: 100°F (38°C); operating on 60Hz power supply. For all other conditions, contact support@n-psi.com

scope of supply

mechanical components

- combined air-to-air and air-to-refrigerant heat exchanger design
- zero air loss condensate drain
- integrated water separator
- single electrical connection
- rotary compressor
- hot gas bypass valve
- fully insulated heat exchanger

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controls and monitoring

- user friendly interface
- digital pressure dew point display
- includes service warnings and reminders
- remote alarm contact
- automatic power on after restart
- provides controls for all system components

dimensions & weight

| | |
|--------------|------|
| A (in) | 60 |
| B (in) | 40 |
| C (in) | 72 |
| weight (lbs) | 1019 |

