

## DXR 0230 NA

230/1/60 - 230 scfm refrigerated air dryer

The nano R<sup>4</sup> 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 R<sup>4</sup> dryers is designed to do.



| general characteristics                     |               |
|---------------------------------------------|---------------|
| rated capacity (scfm) <sup>(1)</sup>        | 230           |
| absorbed power (kW)                         | 1.95          |
| full load amps (A)                          | 9.4           |
| power supply (V/Ph/Hz)                      | 230/1/60      |
| pressure drop over dryer (psid)             | 2.9           |
| 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)              | 131           |
| refrigerant gas/circuit                     |               |
| refrigerant type                            | R410A         |
| refrigerant charge per circuit (lbs)        | 1.65          |
| compressors                                 |               |
| compressor type                             | piston        |
| compressor quantity                         | 1             |
| independent gas circuit                     | 1             |
| fans                                        |               |
| fan type                                    | axial         |
| fan quantity                                | 1             |
| cooling air flow (scfm)                     | 1521          |
| air circuit                                 |               |
| air circuit connections (NPT(F))            | 1½"           |
| ISO class                                   |               |
| ISO air quality class (water content)       | class 4 and 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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## R4: direct expansion refrigerated air dryers

### 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

## technical specification

### dimensions & weight

|              |     |
|--------------|-----|
| A (in)       | 23  |
| B (in)       | 24  |
| C (in)       | 36  |
| weight (lbs) | 170 |

