# NDX 4750

## 460/3/60 - 4750 scfm refrigerated air dryer

nano R4 refrigerated air dryers are designed for reliability, performance and low cost of ownership. They feature a low pressure drop stainless steel heat exchanger, stainless steel moisture separator, environmentally friendly refrigerants, TXV for precise control and a simple yet powerful electronic controller. The R4 offers piece of mind that downstream equipment will be protected from damaging moisture contamination.

| | |
|---|---|
| **general characteristics** | |
| rated capacity (scfm)* | 4750 |
| absorbed power (kW) | 26.16 |
| full load amps (A) | 59.59 |
| power supply (V/Ph/Hz) | 460/3/60 |
| **operating limits** | |
| design operating pressure range (psig) | 0 - 189 |
| maximum refrigerant working pressure (psig) | 392 |
| minimum/maximum ambient temperature (°F) | 34 - 110 |
| maximum inlet temperature (°F) | 158 |
| **refrigerant gas/circuit** | |
| refrigerant type | R407c |
| refrigerant charge per circuit (lbs) | 6.61 |
| **compressors** | |
| compressor type | scroll |
| compressor quantity | 4 |
| independent gas circuit | 4 |
| **fans** | |
| fan type | axial |
| fan quantity | 4 |
| **air circuit** | |
| air circuit connections (ANSI flanged) | 10” |
| **ISO class** | |
| ISO air quality class (water content) | class 4 |

**rated flow capacity: conditions for rating dryers are in accordance with ISO7183 (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*

## features

- stainless steel heat exchanger for maximum durability and corrosion resistance
- CAREL advanced electronic controller
- oversized condenser for high ambient temperatures
- robust refrigeration circuit with fan pressure, high refrigerant pressure and low suction pressure switches
- environmentally friendly R134a and R407C refrigerant
- timed solenoid drain for reliable condensate removal
- refrigerant gauge for simple diagnostics
- powder coated aluminum panels
- TXV ensures stable dew point performance under varying loads
- stainless steel inlet and outlet connections
- c-UL listed components
- built in reliability with a 2 year warranty with pre-filtration and non-corrosive piping installed

## advanced microprocessor features

- 3 button digital interface
- dew point display for visual monitoring
- user programmable operating parameters
- status indication for drain, fan and compressor
- drain test and adjustment

**Experience. Customer. Service.**

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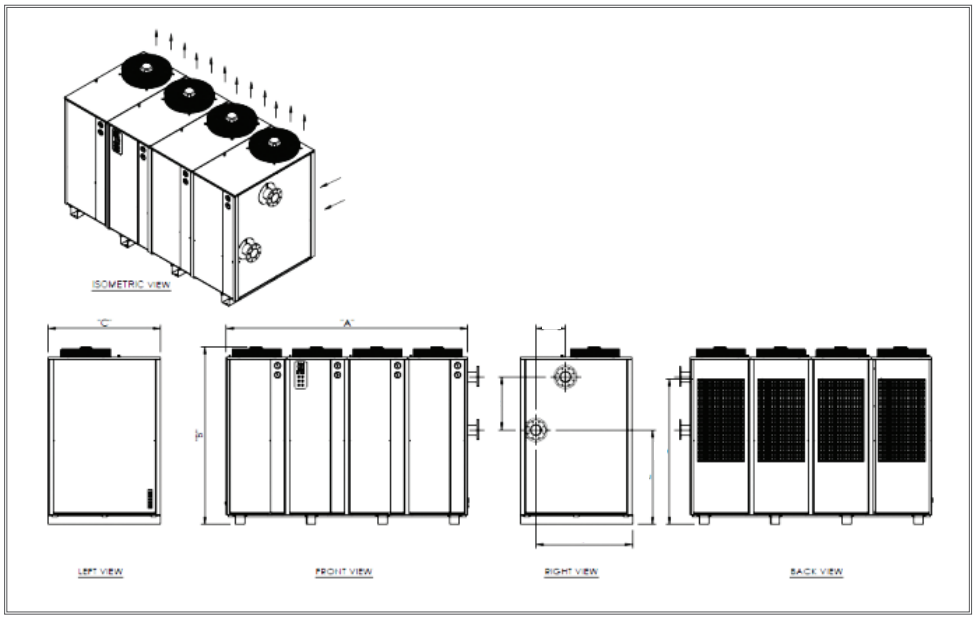
# technical specification

| dimensions & weight | |
|---|---|
| length (ins) | 101.6 |
| depth (ins) | 47.2 |
| height (ins) | 74.8 |
| weight (lbs) | 4079 |

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