NDX 3500

460/3/60 - 3500 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)*	3500
absorbed power (kW)	14.40
full load amps (A)	32.97
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)	4.19
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)	8”
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.

nano-purification solutions llc
charlotte, north carolina
united states

nano-purification solutions llc
charlotte, north carolina
united states

nano-purification solutions
st. catharines, ontario
canada

nano-purification solutions
st. catharines, ontario
canada

nano-purification solutions ltd
gateshead, tyne and wear
united kingdom

nano-purification solutions ltd
gateshead, tyne and wear
united kingdom

nano-purification solutions GmbH
krefeld, germany

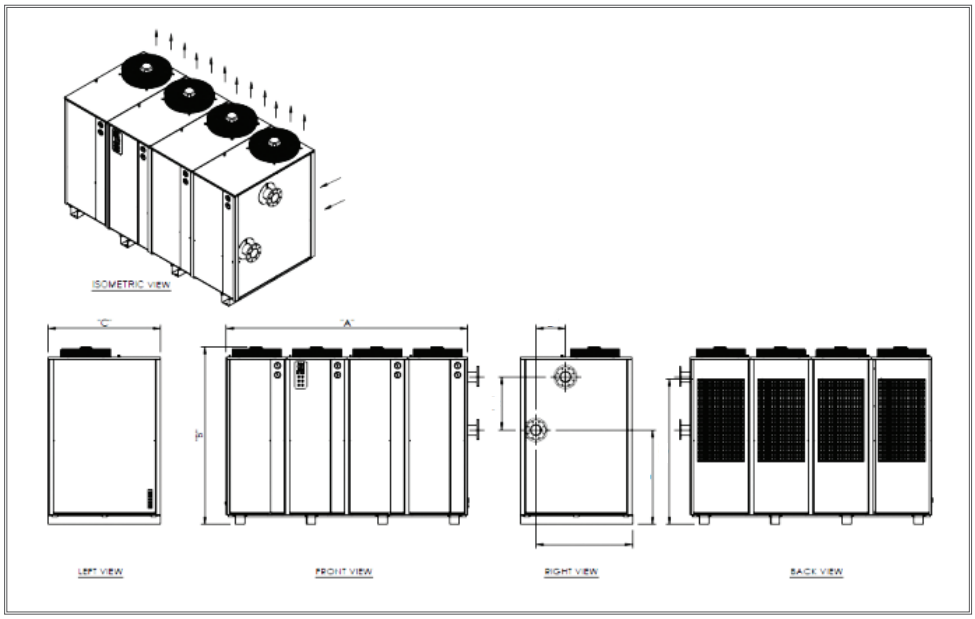
nano-purification solutions GmbH
krefeld, germany

tel: 704.897.2182
fax: 704.897.2183
email: support@n-psi.com
web: www.n-psi.com

www.n-psi.com

technical specification

dimensions & weight	
length (ins)	101.6
depth (ins)	47.2
height (ins)	74.8
weight (lbs)	3086



MEMBER OF CAGI Compressed Air & Gas Institute

copyright PURIFICATION SOLUTIONS LLC
publication reference n-psi-R4-NDX3500-08-us