

NXC 0500

460/3/60 - 500 scfm refrigerated air dryer

The nano R¹ *NEXT GENERATION* refrigerated air dryer combines the advantages of a direct thermal exchange with thermal exchange. By combining these two powerful energy saving technologies the R¹ cycling dryer refrigerated air dryer provides you the lowest power consumption available in the market today. With digital controls that manage energy consumption and unique DTT (dual transfer technology), the R¹ cycling refrigerated air dryer provides substantial energy savings under various seasonal conditions.



general characteristics

rated capacity (scfm)*	500
absorbed power (kW)	2.50
full load amps (A)	6.10
power supply (V/Ph/Hz)	460/3/60

operating limits

design operating pressure range (psig)	0 - 232
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)	6.17

compressors

compressor type	scroll
compressor quantity	1
independent gas circuit	1

fans

fan type	axial
fan quantity	1

air circuit

air circuit connections (NPT)	2½"
-------------------------------	-----

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

- patented dual transfer thermal heat exchanger
- advanced electronic controller
- built in reliability with a 2-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

nano-purification solutions llc
charlotte, north carolina
united states

nano-purification solutions
st. catharines, ontario
canada

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

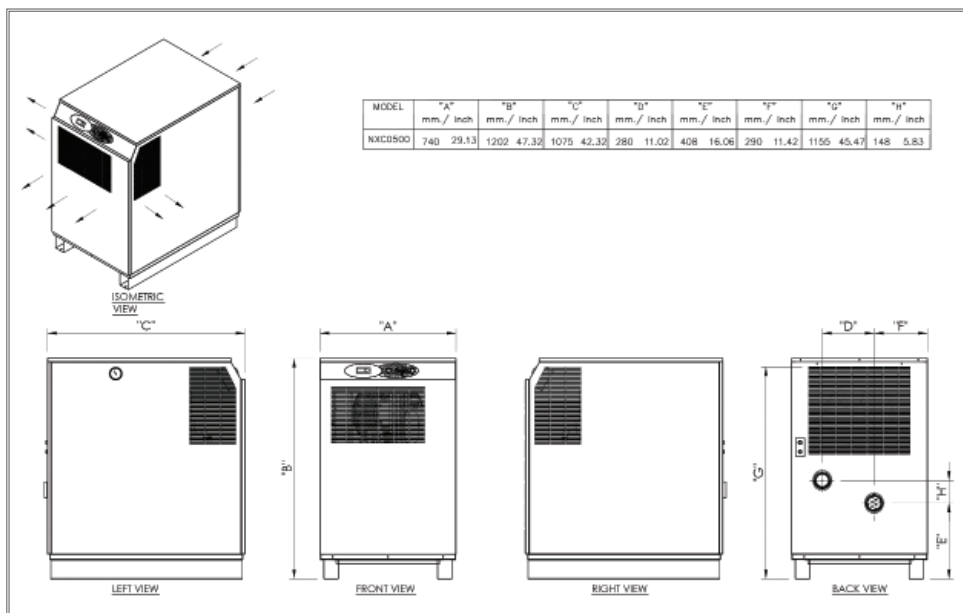
nano-purification solutions GmbH
krefeld, germany

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

technical specification

dimensions & weight

length (ins)	29.1
depth (ins)	42.3
height (ins)	47.3
weight (lbs)	539



experience