VDR 5050A

460/3/60 - 5050 scfm air cooled refrigerated air dryer

nano R⁶ VDR variable speed cycling refrigerated air dryers represent the best in class for energy efficient compressed air dryers. By utilizing VSD scroll compressors the R⁶ dryers can exactly match their energy consumption to the compressed air flow. This produces savings of up to 70% compared to non-cycling dryers and savings of up to 35% when compared to thermal mass technology. Equipped with industry proven components the R⁶ design is engineered for reliability while producing the required pressure dew points at a variety of operational conditions.



5050
3.9
19.1
460/3/60
(3x60)
74.3
30 to 203
45 to 114.8
158
R410a
28.7
air cooled
11473
axial
IP 54
6" ANSI
class 4

 $(1) \ rated \ flow\ capacity: at 100\ psig\ \&\ 100°F\ inlet, 100°F\ ambient\ conditions. \ For\ all\ other\ conditions,\ contact\ support@n-psi.com$

scope of supply

mechanical components

- VSD scroll refrigerant compressors that consume 30% less power than traditional reciprocating refrigeration compressors
- electronic stepper motor control valves used for HGBP and TEV for optimal regulation and maximum efficiency at partial loads
- touch screen nano Vision01 controller
- high efficiency heat exchanger with integral air-air, air-refrigerant and water separator sections
- zero air loss drains standard
- small footprint and simple to install all in one design
- utilizes R410A refrigerant with low GWP Global Warming Potential
- compressed air flow switch puts unit into standby when no airflow detected



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technical specification

dimensions and weights	
A (in)	58
B (in)	90.4
C (in)	62.2
X (in)	5
weight (lbs)	2183



