

VDR 6350A

460/3/60 - 6350 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.



| general characteristics | |
|--|-------------|
| rated capacity (scfm) ⁽¹⁾ | 6350 |
| pressure drop (psid) | 2.8 |
| absorbed power (kW) | 23.9 |
| power supply (V/Ph/Hz) | 460/3/60 |
| UL fuse rating (A) | (3x80) |
| sound pressure level (dB(A)) | 75.6 |
| operating limits | |
| design operating pressure range (psig) | 30 to 203 |
| design ambient temperature range (°F) | 45 to 114.8 |
| maximum inlet temperature (°F) | 158 |
| refrigerant gas/circuit | |
| refrigerant type | R410a |
| refrigerant charge per circuit (lbs) | 41.9 |
| cooling | |
| cooling type | air cooled |
| cooling air flow (cfm) | 21018 |
| fan type | axial |
| fan motor protection | IP 54 |
| air circuit | |
| air circuit connections (flange) | 8" ANSI |
| ISO class | |
| ISO air quality class (water content) | 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 | |
|--|--|
| <ul style="list-style-type: none"> 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 | <ul style="list-style-type: none"> 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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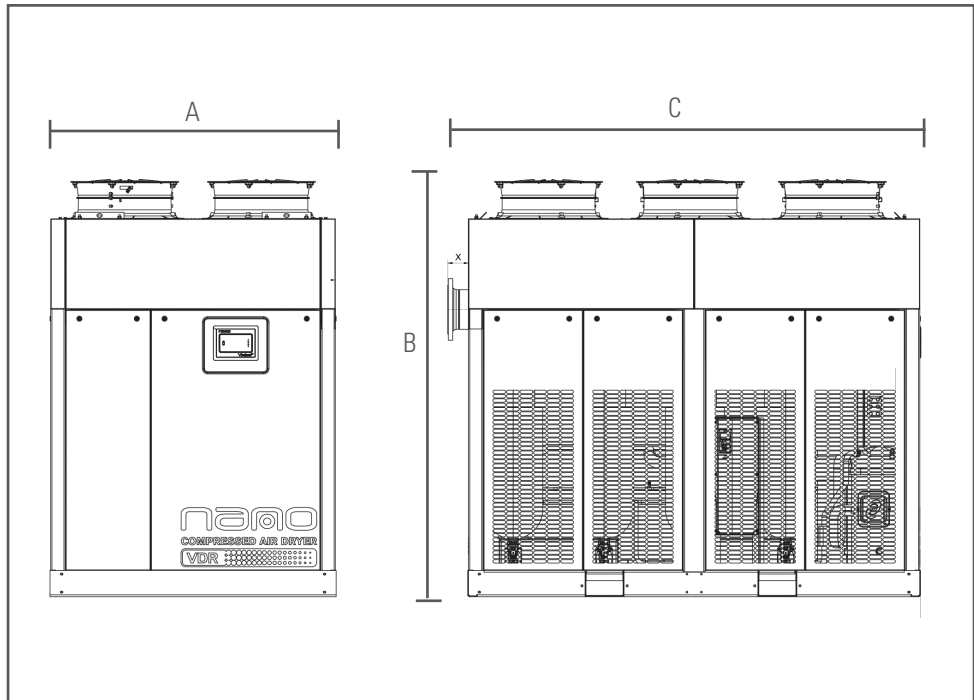
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technical specification

| dimensions and weights | |
|------------------------|------|
| A (in) | 98.5 |
| B (in) | 90.4 |
| C (in) | 62.2 |
| X (in) | 6 |
| weight (lbs) | 3726 |



experience