

Non-Cycling Refrigerated Air Dryers 25 to 300 SCFM

Altec AIR's RAD Series Non-Cycling Refrigerated Air Dryers are designed to meet the demand of your compressed air system with quality components that are built to last.

- Consistent & Reliable Dry Air - ISO Class 5
- Compact All-Aluminum Heat Exchanger Modules with Low Pressure Drops
- Programmable Automatic Electronic Drains
- Easy-Access Cabinet Design for Ease of Maintenance & Serviceability
- Suction & Discharge Pressure Gauges Provide Simple & Reliable Monitoring of the Dryer's Refrigeration System
- Top Mounted Inlet & Outlet Connections Allow for Easy Installation of Dryer, Filters, & Bypass Valves
- ETL Listed Configurations (Pending)



FEATURES

- Available Input Voltages*
 - 115 VAC, 1 Phase, 60Hz
 - 208-230 VAC, 1 Phase, 60Hz
 - 230 VAC, 3 Phase, 60Hz
 - 460 VAC, 3 Phase, 60Hz
 - 575 VAC, 3 Phase, 60Hz
- Maximum Pressure - 232 PSIG
- Maximum Inlet Temperature - 140°F / 60°C

*NOTE: Voltage options are dependent on specific models. See Price Guide for details.

OPTIONS

- Programmable Timers
- Installed Filter Kits
- Filter Bypass Kits
- Floor Stands
- Magnetic Condenser Filters

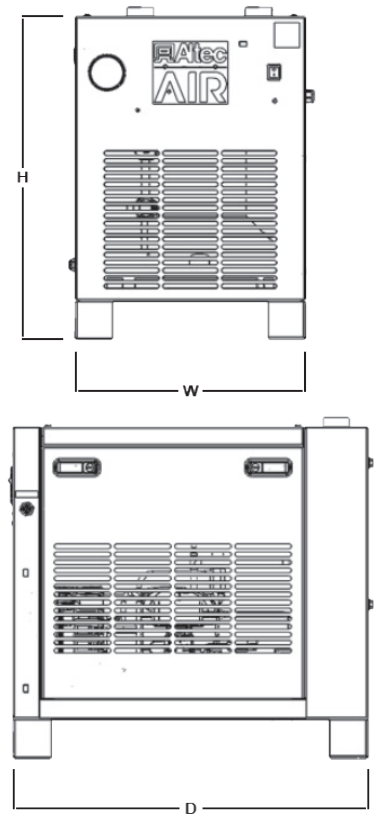
www.AltecAIR.com
800.521.5351

Altec | AIR
RAD SERIES
NON-CYCLING REFRIGERATED AIR DRYERS

RAD Series

SPECIFICATIONS & DIMENSIONS

| | INLET Flow (SCFM @ 100 PSIG) | Inlet / Outlet Ports (NPT) | Drain Port (NPT) | Refrigerant Type | Weight (lbs) | Height (in) | Width (in) | Depth (in) |
|-----------|------------------------------|----------------------------|------------------|------------------|--------------|-------------|------------|------------|
| RAD-0025A | 25 | 1/2" | 1/4" | R134a | 92 | 23.9 | 18.9 | 16.9 |
| RAD-0040A | 40 | 1" | | | 102 | | | |
| RAD-0055A | 55 | | | | 160 | | | |
| RAD-0075A | 75 | | | | 173 | | | |
| RAD-0100A | 100 | 1-1/2" | | | 192 | 25.8 | 18.4 | 27.6 |
| RAD-0150A | 150 | | | 205 - 225 | | | | |
| RAD-0200A | 200 | | | 300 - 331 | | | | |
| RAD-0250A | 250 | 2" | | R404a | 300 - 345 | 35.8 | 23.7 | 34.8 |
| RAD-0300A | 300 | | | | | | | |



** Sizing based on Inlet Temperature of 100°F, Inlet Dew Point of 100°F, Inlet Pressure of 100 PSIG, Outlet Dew Point of 45°F

MULTIPLIER TABLES

**Sizing Dryers for Variable Conditions

Corrected Inlet Flow Capacity =

$$\text{INLET Flow (above)} \times \text{Inlet Pressure Correction Factor (A)} \times \text{Inlet Temp Correction Factor (B)} \times \text{Ambient Temp Correction Factor (C)}$$

| | | | | | | | |
|-----------------------|------|------|------|------|------|------|------|
| Inlet Pressure (PSIG) | 50 | 80 | 100 | 125 | 150 | 175 | 200 |
| Correction Factor (A) | 0.82 | 0.95 | 1.00 | 1.05 | 1.09 | 1.12 | 1.15 |
| Inlet Temp (°F) | 80 | 90 | 100 | 110 | 120 | 140 | |
| Correction Factor (B) | 1.72 | 1.28 | 1.00 | 0.80 | 0.66 | 0.45 | |
| Ambient Temp (°F) | 80 | 90 | 100 | 110 | 120 | | |
| Correction Factor (C) | 1.08 | 1.06 | 1.00 | 0.90 | 0.76 | | |

MODEL CONFIGURATION

Dryer Model: From Above



Voltage: Dependent on Model

- 1 - 120 VAC, 1 Phase, 60 Hz
- 2 - 208-230 VAC, 1 Phase, 60 Hz
- 3 - 230 VAC, 3 Phase, 60 Hz
- 4 - 460 VAC, 3 Phase, 60 Hz
- 5 - 575 VAC, 3 Phase, 60 Hz

***Programmable Timer:**
P - YES

Air Cooled:
A - YES

* Leave Unselected Options Blank when building your Part Number

ISO 8573-1

| Class | Maximum Pressure Dew Point | |
|-------|----------------------------|-------|
| | °C | °F |
| 1 | -70 | -94 |
| 2 | -40 | -40 |
| 3 | -20 | -4 |
| 4 | +3 | +37.4 |
| 5 | +7 | +44.6 |
| 6 | +10 | +50 |
| 7 | Not Specified | |

For more complete information on Altec AIR products and services, visit us on the web at www.AltecAIR.com. Material and specifications are subject to change without notice. Featured units in photos may include optional features. Please contact an Altec AIR representative for all available options. Altec AIR logo is a registered trademarks of Altec Inc. in the United States and various other countries and may not be used without permission.
© 2022 Altec AIR. All Rights Reserved. SPEC-RAD-0322



CONTACT US | 800.521.5351 | SALES@ALTECAIR.COM | ALTECAIR.COM