

## Non-Cycling Refrigerated Air Dryers 25 to 2000 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 4 - 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
- Drain Port - 1/4" NPT
- 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 Timer (*Model Dependent*)
- Digital Scroll Compressor (*Model Dependent*)
- Installed Filter Kits
- Filter Bypass Kits
- Floor Stand
- Magnetic Condenser Filter

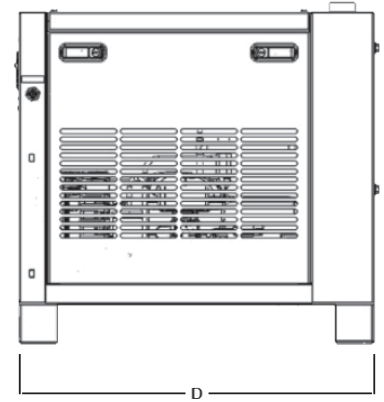
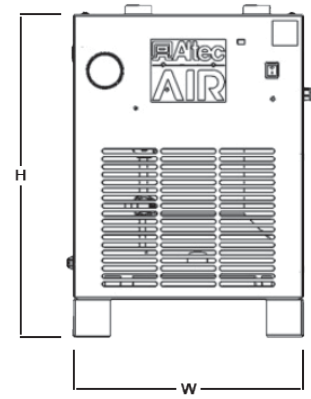
[www.AltecAIR.com](http://www.AltecAIR.com)  
**800.521.5351**

**Altec | AIR**  
RAD SERIES  
NON-CYCLING REFRIGERATED AIR DRYERS

# RAD Series

SPECIFICATIONS & DIMENSIONS

	INLET Flow (SCFM @ 100 PSIG)	Inlet / Outlet Ports (NPT)	Refrigerant Type	Weight* (lbs)	Height (in)	Width (in)	Depth (in)
RAD-0025A	25	1/2"	R134a	98	26	17	19
RAD-0040A	40	1"		105			
RAD-0055A	55			108			
RAD-0075A	75			160			
RAD-0100A	100			172			
RAD-0150A	150	1-1/2"		215-233	30	22	34
RAD-0200A	200		245				
RAD-0250A	250	2"	R404a	285-305	38	24	35
RAD-0300A	300		295-305				
RAD-0400A	400	2-1/2"	R449a	500-546	46	29	43
RAD-0500A	500			526-546			
RAD-0600A	600			526-546			
RAD-0750A	750	3"	R449a	580-600	56	34	53
RAD-1000A	1000			875-895			
RAD-1250A	1250			875-895			
RAD-1500A	1500	4"	R404a	1400	70	40	56
RAD-2000A	2000			1595			



\*\* Sizing based on Inlet Temperature of 100°F, Inlet Dew Point of 100°F, Inlet Pressure of 100 PSIG  
 \* Weights may vary based on Voltage Option required.

MULTIPLIER TABLES

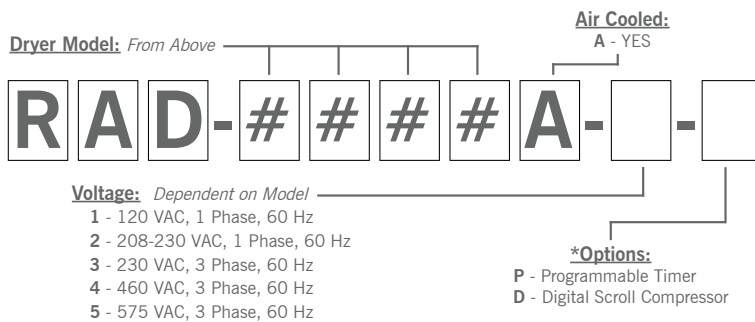
### \*\*Sizing Dryers for Variable Conditions

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



\* 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	

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