

Non-Cycling Refrigerated Air Dryers 25 to 1250 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
- 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

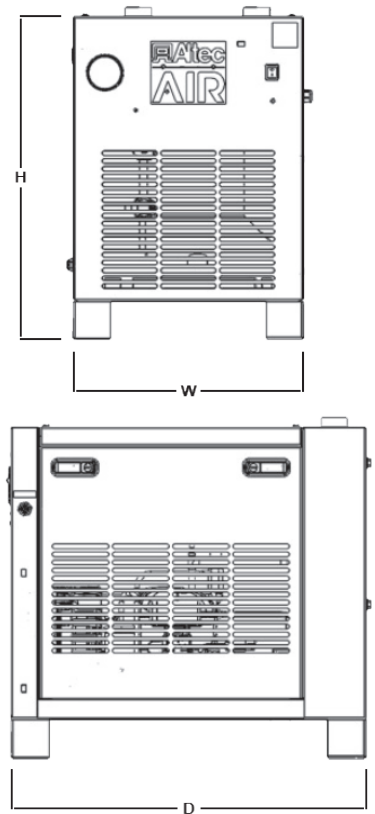
www.AltecAIR.com
800.521.5351

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"			R404a	192	29.3	21.9
RAD-0150A	150		225					
RAD-0200A	200	2"	R449a	331	35.8	23.7	34.8	
RAD-0250A	250			345				
RAD-0300A	300	2-1/2"	1/2"	R449a	450	46.5	29.2	43.3
RAD-0400A	400				475			
RAD-0500A	500	3"			500			
RAD-0600A	600				575			
RAD-0750A	750				600			
RAD-1000A	1000	3"	625	55.8	34.2	53.3		
RAD-1250A	1250							



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

MULTIPLIER TABLES

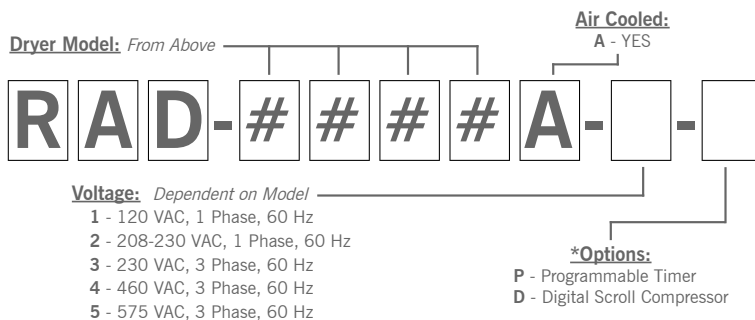
**Sizing Dryers for Variable Conditions

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	

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.
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