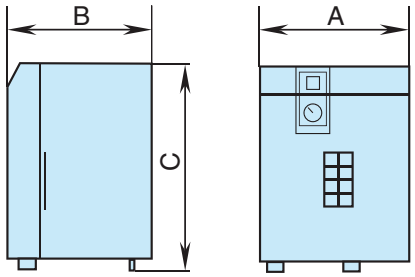
Refrigerated Dryers

Series BA-AMD Dryer features

- *Environmental friendly R134a/R407C refrigerant*
- *Simple control system, incorporating easy to read evaporator gauge*
- *Stainless steel heat exchanger providing long life and low pressure drops*
- *Compact design with staggered inlet/outlet ports for ease of installation*
- *3/8" push-in condensate drain port*

BA-AMD Dryer Technical Specifications

Model	Flow scfm at pressure dewpoints			Power supply AC 60Hz	Power comsumption	Port connections NPT	Refrigerant	Weight lbs	Dimensions inches		
	37°F	45°F	50°F		(KW)				A	B	C
BA-AMD10-4	10	11	12	Single Phase 115V	0.44	3/8"	R134a	40	8.9	16.1	18.6
BA-AMD15-4	15	16	17		0.26	1/2"		55	10.6	17.7	19.5
BA-AMD25-4	25	26	28		0.26	3/4"		57			
BA-AMD41-4	41	43	45		0.31			64		18.9	22.2
BA-AMD59-4	59	62	65		0.55			73			
BA-AMD71-4	71	80	86		0.75	1"		110	11.8	23.7	22.8
BA-AMD107-4	107	120	130	Single Phase 230V	1						
BA-AMD161-4	161	173	181		1.27	1-1/2"		137	11.4	33.7	
BA-AMD226-4	226	258	297	Three Phase 460V	2.4	2"	R407c	258	18.5	33.7	35.4
BA-AMD300-4	300	353	406					271			



1. Flow capacities are based on CAGI (Compressed Air and Gas Institute) standard ADF100: Refrigerated Compressed Air dryers - Method for testing and rating. The reference conditions are - Inlet air temperature: 100°F, Ambient temperature: 100°F, Inlet pressure: 100 psi.

If your operating conditions are other than standard reference conditions stated above, please make use of the following capacity correction factors to size a suitable dryer for your application.

Correction factor for **inlet temperature** changes

Temperature °F	Correction factor (A)
90	1.31
100	1.00
110	0.82
120	0.66

Correction factor for **ambient air temperature** changes

Temperature °F	Correction factor (B)
77	1.24
90	1.09
95	1.04
100	1.00
105	0.98
110	0.95

Correction factor for **inlet pressure** changes

Pressure PSIG	Correction factor (C)
75	0.95
100	1.00
110	1.04
120	1.07
125	1.09
150	1.13
175	1.18
200	1.22
250	1.24

Example of selecting a suitable dryer

- Operating air flow rate: 50 scfm
- Ambient temperature:105°F
- Inlet air temperature: 110°F
- Inlet air pressure: 120psig
- Corrected air flow rate = Operating air flow rate (Factor A x Factor B x Factor C.)

50 / (0.82 x 0.98 x 1.07) = 58.82

Select a model with nominal air flow rate higher than the corrected air flow rate calculated in the formula above.

The dryer model: **BA-AMD59-4** Providing 59scfm at 37°F pressure dew point