

## Energy Saving Air Dryers 400 to 2000 SCFM

The DX Series Refrigerated Air Dryers were developed with the ability to match their power consumption in direct proportion to the current heat load of the air dryer.

- Digital Scroll Energy-Saving Refrigeration Compressor
- Capacity Modulation Control Reduces Power Consumption up to 90%
- Compact All-Aluminum Heat Exchanger Modules with Low Pressure Drops
- Programmable Automatic Electronic Drains
- Easy-Access Cabinet Design for Ease of Maintenance & Serviceability



### FEATURES

- Outlet Dewpoint with 100°F / 38°C Saturated Inlet
  - 38°F Pressure Dewpoint (PDP)
- Available Input Voltages\*
  - 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 - 120°F / 49°C

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

### OPTIONS

- Air-Pac Filter Kits
- Bypass Valve
- Ambient Air Filter

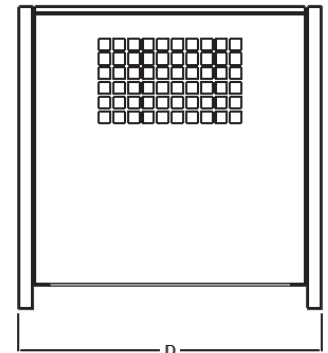
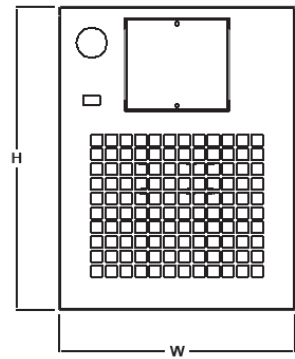
[www.AltecAIR.com](http://www.AltecAIR.com)  
800.521.5351

  
DX SERIES  
ENERGY SAVING AIR DRYERS

# DX 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)
DX400	400	2"	3/8"	R404a	486	48	29	44
DX500	500				526			
DX625	625	2-1/2"			549			
DX800	800	3"	1/2"		855	59	35	52
DX1000	1000				875			
DX1200	1200	900						
DX1600	1600	4"			1400	70	40	56
DX2000	2000		1595					



## Sizing Dryers for Variable Conditions

Corrected Inlet Flow Capacity =

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

MULTIPLIER TABLES

Inlet Pressure (PSIG)	50	80	100	125	150	175	200
Correction Factor (A)	0.85	0.95	1.00	1.07	1.13	1.18	1.20
Inlet Temp (°F)	80	90	100	110	120	140	
Correction Factor (B)	1.50	1.21	1.00	0.72	0.61	0.53	
Dewpoint (°F)	38		45		50		
Correction Factor (C)	1.00		1.24		1.29		
Ambient Temp (°F)	70	80	90	100	110		
Correction Factor (D)	1.10	1.07	1.05	1.00	0.94		

ISO 8573-1

Quality Class	1	2	3	4	
Dewpoint	°F	-100°	-40°	-4°	38°
	°C	-73°	-40°	-20°	3°
Remaining Moisture	ppmw	0.12	10	81	610
	mg/m³	0.15	12	97	730

## Need A Custom Sized Air Dryer?

Contact Altec AIR for assistance selecting the right dryer for your application. All you need is the required dewpoint, operating pressure, and the required inlet or outlet flow rate.

For more complete information on Altec AIR products and services, visit us on the web at [www.AltecAIR.com](http://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. © 2019 Altec AIR. All Rights Reserved. SPEC-DX-0222