

Energy Saving Air Dryers 400 to 3000 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.

- Consistent & Reliable Dry Air - ISO Class 4 - 5
- 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

- 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 List for details.*

OPTIONS

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

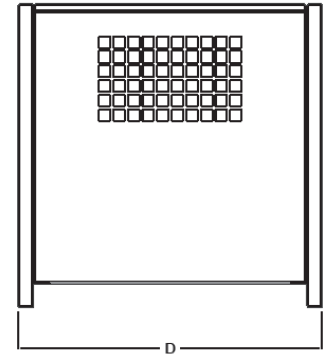
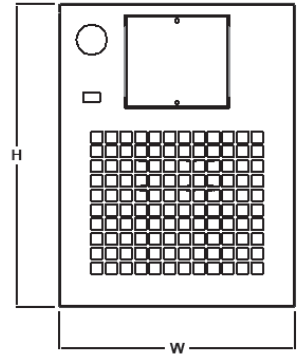
www.AltecAIR.com
800.521.5351

Altec | AIR
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	549						
DX800	800	2-1/2"	1/2"		855	59	35	52
DX1000	1000				875			
DX1200	1200	3"	900		70	40	56	
DX1600	1600	1400						
DX2000	2000	1595						
DX2500	2500	4"	1/2"		1755	78	51	69
DX3000	3000				1945			
		6" (FLG)						



Sizing Dryers for Variable Conditions

Corrected Inlet Flow Capacity =

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

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	
Ambient Temp (°F)	70	80	90	100	110		
Correction Factor (C)	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/m ³	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. 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. © 2023 Altec AIR. All Rights Reserved. SPEC-DX-0223