

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.

- 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

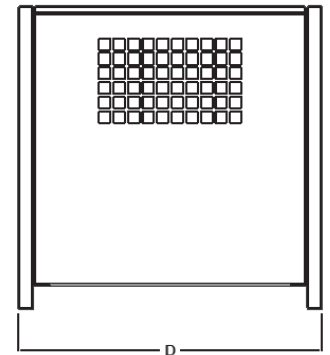
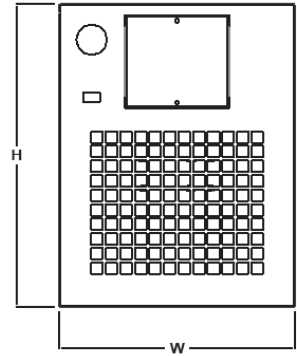
- Air-Pac Filter Kits
- Bypass Valve
- Ambient Air Filter

www.AltecAIR.com
800.521.5351

Altec | AIR
DX SERIES
ENERGY SAVING AIR DRYERS

DX Series

| | | INLET Flow (SCFM @ 100 PSIG) | Inlet / Outlet Ports (NPT) | Drain Port (NPT) | Refrigerant Type | Weight (lbs) | Height (in) | Width (in) | Depth (in) |
|-----------------------------|--------|------------------------------|----------------------------|------------------|------------------|--------------|-------------|------------|------------|
| SPECIFICATIONS & DIMENSIONS | DX400 | 400 | 2" | 3/8" | R404a | 486 | 48 | 29 | 44 |
| | DX500 | 500 | | | | 526 | | | |
| | DX625 | 625 | 549 | | | | | | |
| | DX800 | 800 | 3" | 1/2" | | 855 | 59 | 35 | 52 |
| | DX1000 | 1000 | | | | 875 | | | |
| | DX1200 | 1200 | 4" | 1/2" | | 900 | 70 | 40 | 56 |
| | DX1600 | 1600 | | | | 1400 | | | |
| | DX2000 | 2000 | | | | 1595 | | | |



Sizing Dryers for Variable Conditions

Corrected Inlet Flow Capacity =

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

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-0323