

DRYCLIMATE[®]

SERIES

CRITICAL MISSION APPLICATIONS



ABOUT US

Climate by Design International (CDI), creates the climate you need to achieve your **critical mission**.

CDI designs and manufactures desiccant dehumidifiers and critical process air handlers for a wide array of applications including: ice arenas, hospital surgical suites, and food processing facilities.

It is our mission to design and manufacture the most effective solutions to indoor air problems, delivering the ideal environment for our customer.



Keep it dry with CDI!

DRYCLIMATE[®]

DESICCANT DEHUMIDIFIER SERIES



*Industrial Quality,
at a Commercial Price.*



To contact an application expert, email sales@cdihvac.com
www.cdihvac.com | Owatonna, MN 55060 | 507.451.2198

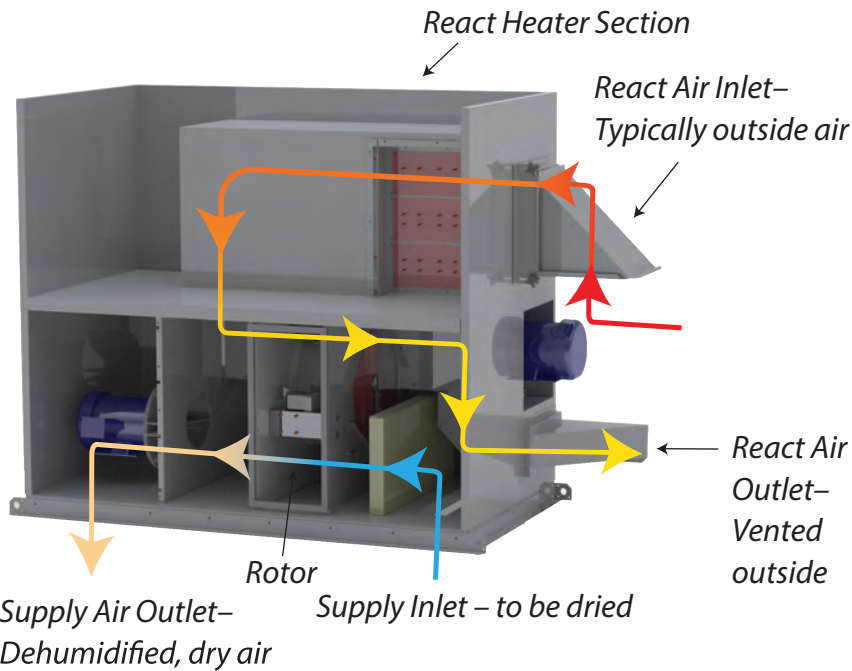
Rev 1121

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FEATURES

- Active desiccant system with:
 - Industry leading 7 year rotor and cassette warranty
 - Industrial chain drive
- Industry leading media and seal life
- Industrial construction featuring:
 - Double-walled stainless steel construction with foam insulation
 - Compact design
 - Universal Base: curb or flat mount
- Integral lifting points
- Indoor/outdoor installation
 - Full PLC controls with user interface:
 - Optimized reactivation energy control
 - Separate high and low voltage cabinets (<120V) for safer access
 - Standard 65KAIC SCCR Rating



OPTIONS

- Electric or gas reactivation
- Supply Fan VFD Option
- On/Off or Modulating Control
- RH, Dewpoint, Condensation Control
- Knock down Curb (14" single wall)
- Pre or Post Cooling Coil Box with controls
 - SS IAQ Drain pan
 - G-90 galvanized or SS construction
 - Chilled water or DX cooling coil modules

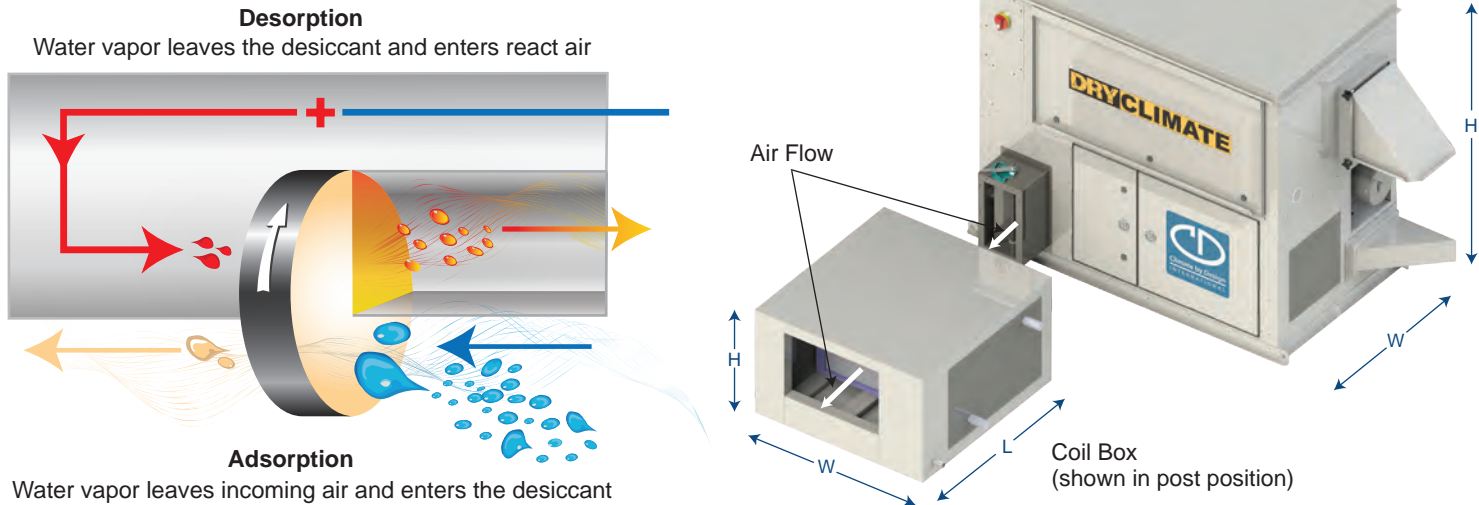
Voltage & Reactivation Options ⁽¹⁾			
Product	Electric		Gas
	208V/3PH 230V/3PH 460/3PH	575V/3PH	208V/3PH 230V/3PH 460/3PH
DC-500 - 750	✓	✓	
DC-1000 - 1500	✓	✓	✓
DC-1750 - 2250	✓	✓	✓

⁽¹⁾ 3 Phase 60 Hz

Duct Connection Options		
Product	Electric	Gas
Left Side		✓
Right Side		✓
End	✓	
Bottom	✓	✓

ACTIVE DESICCANT TECHNOLOGY

Provides 40°F + dew point reduction as both adsorption and desorption are simultaneously driven by water vapor equilibrium of air and desiccant.



Technical Specifications

	Product	DC-500	DC-750	DC-1000	DC-1500	DC-1750	DC-2250
Unit Physical Data ⁽¹⁾							
Length (L)	[in]	61.5	61.5	74.5	74.5	74.5	74.5
Width (W)	[in]	33.75	33.75	33.75	33.75	33.75	33.75
Height (H)	[in]	51.0	51.0	61.0	61.0	61.0	61.0
Approximate Unit Weight	[lb]	875	875	1,120	1,120	1,120	1,120
Coil Box							
Length (L)	[in]	34.0	34.0	34.0	34.0	34.0	34.0
Width (W)	[in]	30.0	36.0	36.0	40.0	48.0	50.0
Height (H)	[in]	21.0	21.0	27.0	33.0	33.0	33.0
Process Air Data							
Process Air Volume	[scfm]	500	750	1,000	1,500	1,750	2,250
External Static Pressure	[in W.C.]	2.8	1.5	2.1	1.9	2.1	2.0
Reactivation Air Data							
Reactivation Air Volume	[scfm]	125	200	250	375	450	575
External Static Pressure	[in W.C.]	1.8	0.9	1.3	2.2	1.9	1.2

⁽¹⁾Actual weights and dimensions to be done during quotation and submittal.

Continual engineering and research for product improvement may result in design and specification changes. Consult factory for certified technical data.