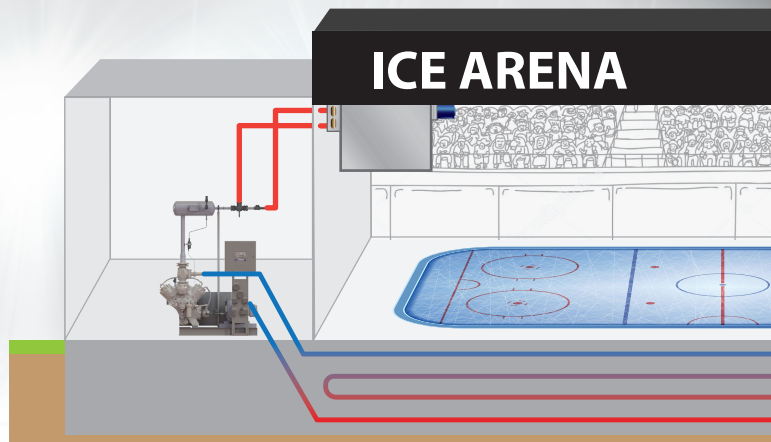
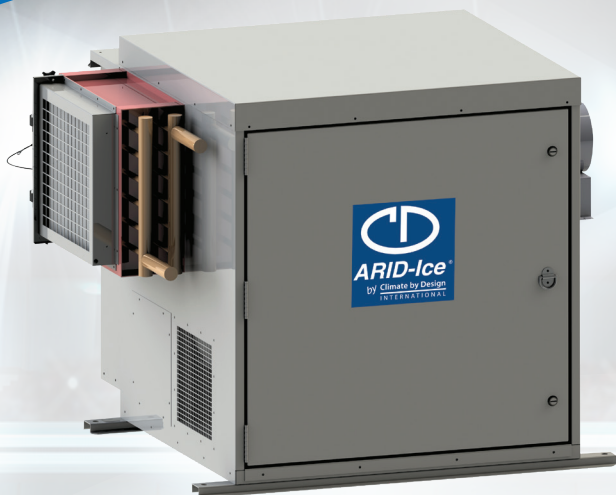




**ARID-Ice®**  
by Climate by Design  
INTERNATIONAL

**ARID-ICE 2500-E**



## STANDARD FEATURES

- Active desiccant system with:
  - Industry leading **7 year rotor and cassette warranty**
  - Industrial chain drive
- Industrial construction featuring:
  - Stainless steel exterior and interior
  - Compact design
  - UL rated electrical system
- Indoor or outdoor installation
  - Mounting style: Pad, Rail or Hanging
- Built-in PLC controls with:
  - Easy to use user interface
  - Multi-mode unit operation
  - Unit mounted indication and alarm lights
- Built-in Temperature and Humidity Sensor
  - Automatic Humidity Control
- Net Zero Ready
- Waste Heat Recovery Coil (optional)

## SMART FEATURES

	2500-E
<b>SAFETY<sup>1</sup></b>	
High Temperature Alarm	✓
Rotor Rotation Failure Alarm	✓
Rink Fan Failure Alarm	✓
Reactivation Fan Failure Alarm	✓
Reactivation Heater Failure Alarm	✓
<b>EFFICIENCY<sup>2</sup></b>	
Rink Dirty Filter Signal	✓
Reactivation Dirty Filter Signal	✓
<b>RELIABILITY</b>	
Filter Inspection Indicator	✓
Critical Component Inspection	✓

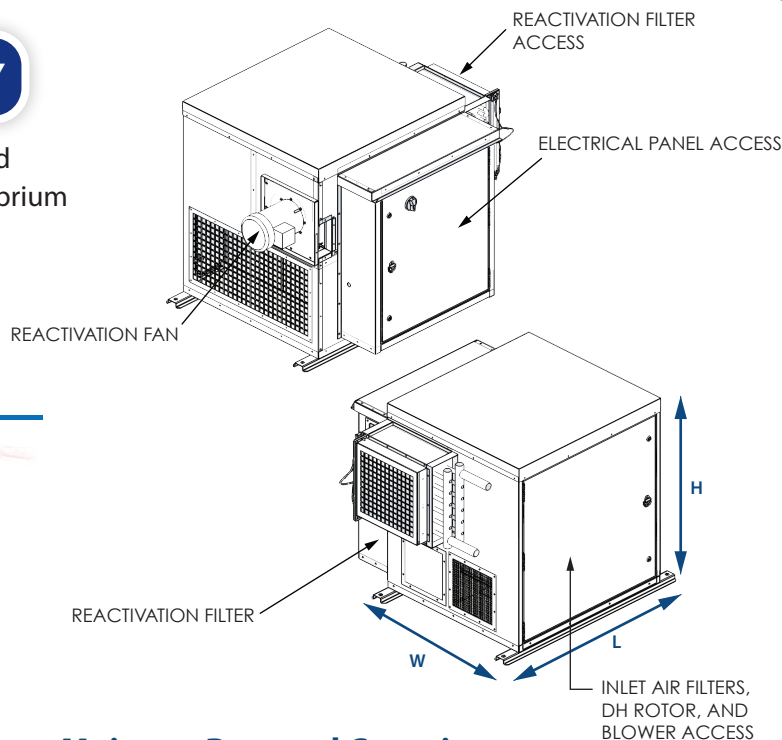
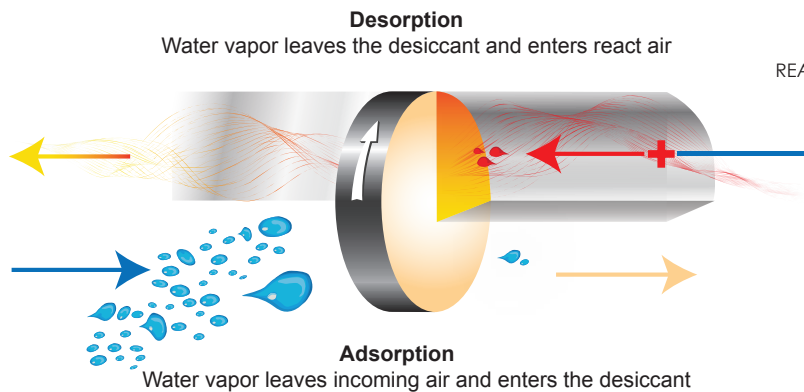
<sup>1</sup> Features are included as standard and may require service personnel to interpret alarms or signals.

*CDI creates the climate you need to achieve your critical mission.*



## 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	ARID-ICE 2500-E
<b>Unit Physical Data*</b>		
Length (L)	[in]	46.0
Width (W)	[in]	45.5
Height (H)	[in]	41.5
Approximate Unit Weight	[lb]	625
<b>Utility Data</b>		
FLA (460V / 575V)	[amps]	26 / 21
MCA (460V / 575V)	[amps]	34 / 27
MOP (460V / 575V)	[amps]	35 / 30
<b>Voltage Options</b>		
Electric Reactivation	[V/PH]	460V / 3PH 575V / 3PH
<b>Supply Air Data</b>		
Process Air Volume	[scfm]	2,500
External Static Pressure	[in W.C.]	0.0
<b>Reactivation Air Data</b>		
Reactivation Air Volume	[scfm]	300
External Static Pressure	[in W.C.]	0.5

\*Actual weight and dimensions to be provided at time of quotation and submittal. Continual engineering and research for product improvement may result in design and specification changes. Consult sales for certified technical data.

## Moisture Removal Capacity

Nominal Moisture Removal (lb/hr)*						
Entering Air Dry Bulb (°F)	Entering Air Relative Humidity (%)					
	80	70	60	50	40	30
80	37.3	36.4	34.8	32.6	29.8	26.3
75	37.5	36.2	34.5	32.2	29.2	25.7
70	37.1	35.6	33.9	31.5	28.5	24.8
65	36.6	35.2	33.0	30.8	27.6	23.9
60	35.9	34.4	32.4	29.7	26.5	22.4
55	35.3	33.3	31.1	28.2	24.9	20.4
50	33.9	31.8	29.4	26.6	22.9	17.6
45	32.1	29.9	27.4	24.2	20.3	13.2
40	29.8	27.5	24.7	21.2	15.3	9.5

\*Moisture Removal Ratings are at full flow, 80°FDB & 104 GR/LB reactivation inlet

## ETL Certification

- UL508A/CSA C22.2 No. 286
- UL1995/CSA C22.2 No. 236

