



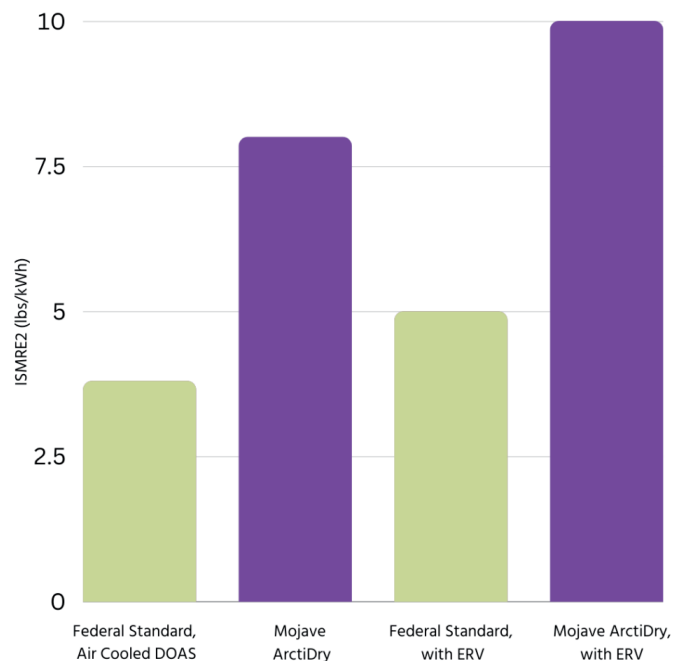
Introducing ArctiDry



The result of a decade of R&D, this innovative, next generation liquid desiccant air conditioner significantly lowers energy use and CO2 emissions yet installs like conventional packaged HVAC equipment. ArctiDry needs only an electrical connection; no chilled water, domestic water, or gas line required.

Reducing Energy Use

With an ISMRE over 8 lbs/kWh, it's twice as efficient as conventional Dedicated Outdoor Air Systems (DOAS). Selecting our optional ERV raises this to over 10. These are more than double the Department of Energy (DOE) standards that goes into effect May 1st, 2024. Add to that independent dew point and temperature control and you can unlock building-wide energy savings by raising chiller temperatures or running dry coils.



Applications

GROCERY

The Most Efficient Way to Control Condensation

HEALTHCARE

A Breath of Fresh Air for Healthcare Facilities

OFFICE & COMMERCIAL

Reduce Energy Consumption and Improve IAQ

OTHER DEHUMIDIFICATION

Precise Control for Temperature and Dew Point

MULTIFAMILY & HOSPITALITY

Provide a Luxury Experience with Improved Air Quality

EDUCATION

Improve Student Health and Academic Performance



Configurable from Four Base Models

Two cabinet sizes cover airflow requirements from 1,000 – 6,000 CFM. ArctiDry’s technology not only saves energy, it increases capacity; our line covers total loads from 10 to 40 tons and offers all of the accessories you expect in a product line.

Up to 50% Reduction in Electrical Energy Use

Capable of Delivering a 40° Dew Point with DX

Independent Temperature and Humidity Control

Positioned to Compete in the Conventional DOAS Market

Cost Effective Alternative to Solid Desiccant Systems

Biocidal

Minimal Additional Maintenance Vs. Traditional DOAS Systems

Desiccant Lasts the Life of the Unit

Double Wall Construction

High Ventilation

- Hospitality
- Multifamily
- Education
- Outpatient Medical Facilities
- Airports

Low Dew Point

- Hospitals
- Supermarkets
- Ice Rinks
- Food Processing
- Manufacturing

High Internal Latent Load

- Indoor Agriculture
- Pools (Post Launch Application)

Precise Control

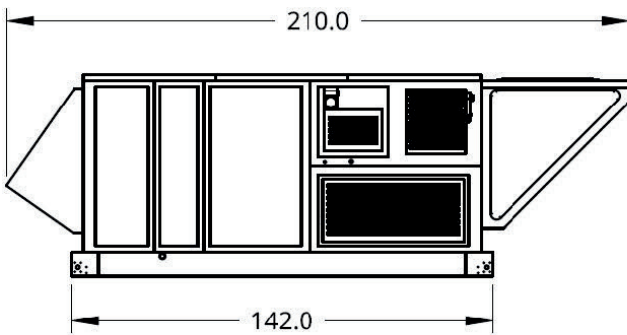
- Industrial Applications

	A Cabinet	B Cabinet
Air Flow	1,000–3,000 CFM	3,000–6,000 CFM
Cooling Capacity	Up to 26 tons	26–40 tons
Moisture Removal Rate	Up to 130 lb/hr	Up to 260 lb/hr
Supply Air Conditions	55–75°F DB 40–55°F DP (36–64 gr/lb)	
ISMRE	8.0 lb/kWh 10 lb/kWh with ERV	
Indirect Gas Fired Heater Options	<ul style="list-style-type: none"> • 100 MBH • 200 MBH 	<ul style="list-style-type: none"> • 300 MBH • 400 MBH
Electric Heater Options	<ul style="list-style-type: none"> • 20kW • 45 kW 	<ul style="list-style-type: none"> • 60 kW • 90 kW
Refrigerant	R-454B	
Filtration	Up to 6" Filter Rack	
Weight	4000 lb	7000 lb
Electrical	208V / 230V / 460V, 3ph	
Controls	DDC w/ BacNet & MODBUS integration	
Options	<ul style="list-style-type: none"> •Return air opening + damper •ERV wheel •Inlet + outlet damper •Inlet hood & roof curb •LonWorks connectivity •10,000 hr salt spray cabinet coating 	

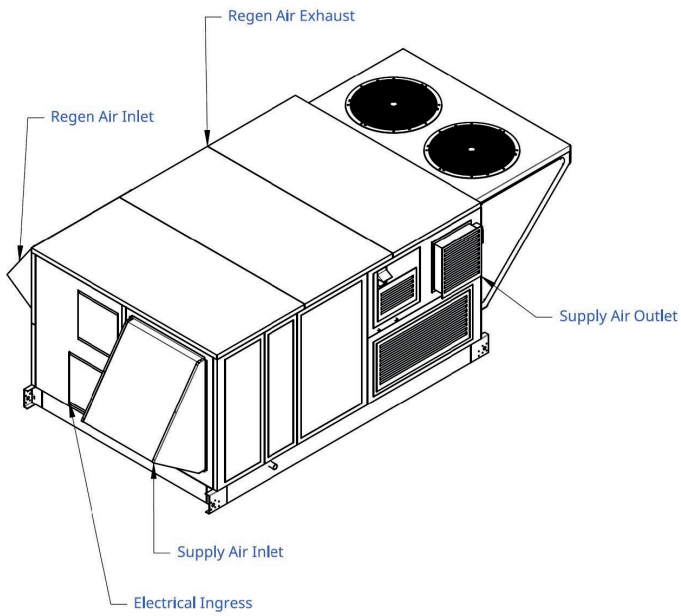
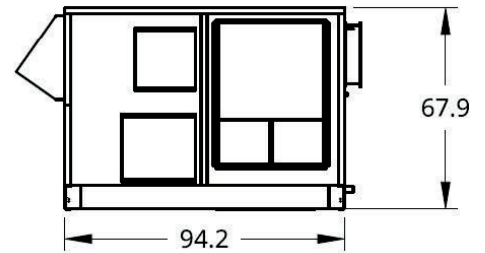


ArctiDry A Cabinet (1000 - 3000 CFM)

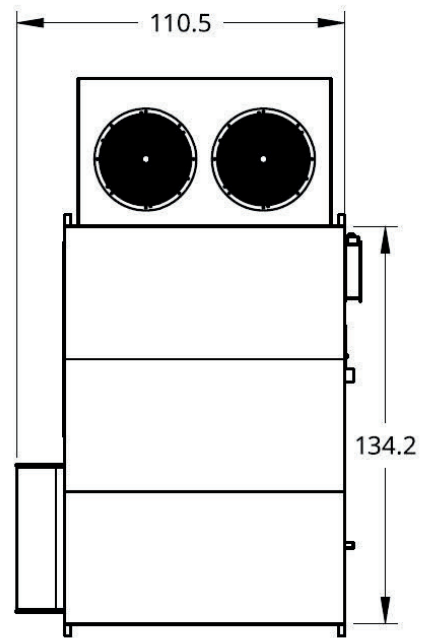
Right Side View



End View



3D CAD View

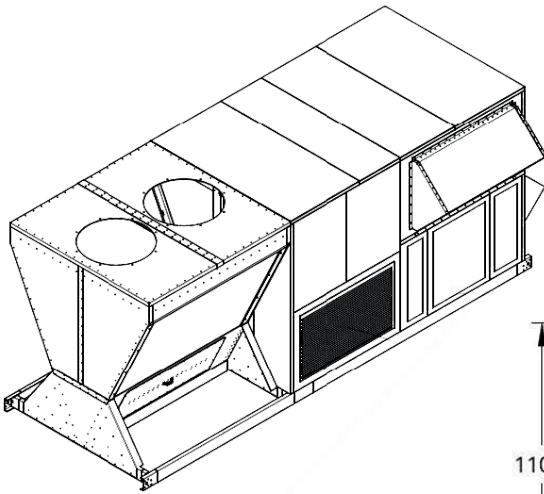


Top View

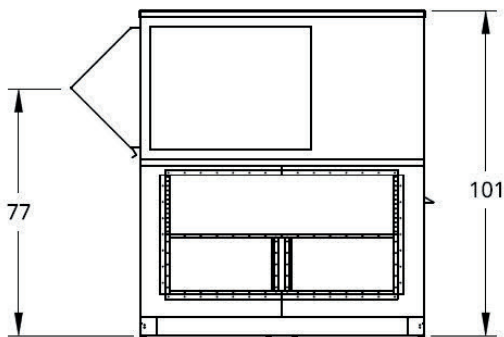
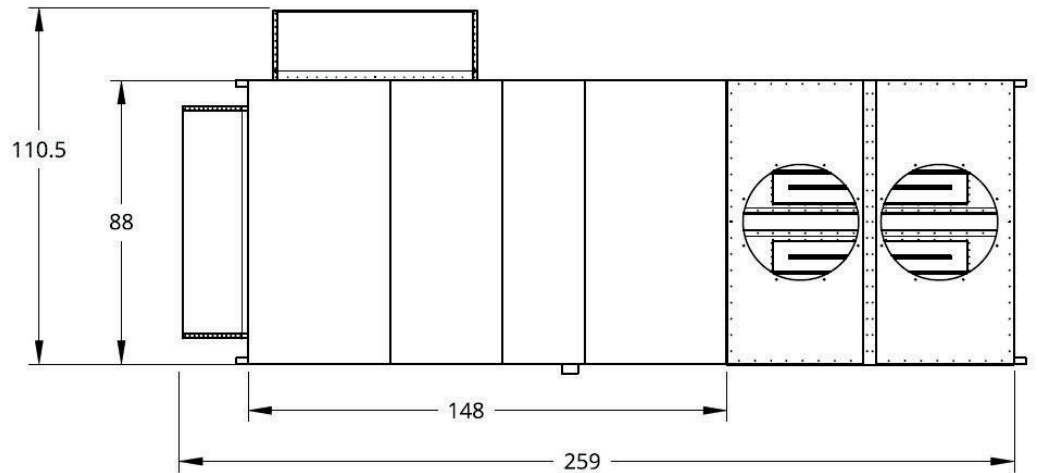


ArctiDry B Cabinet (3000 - 6000 CFM)

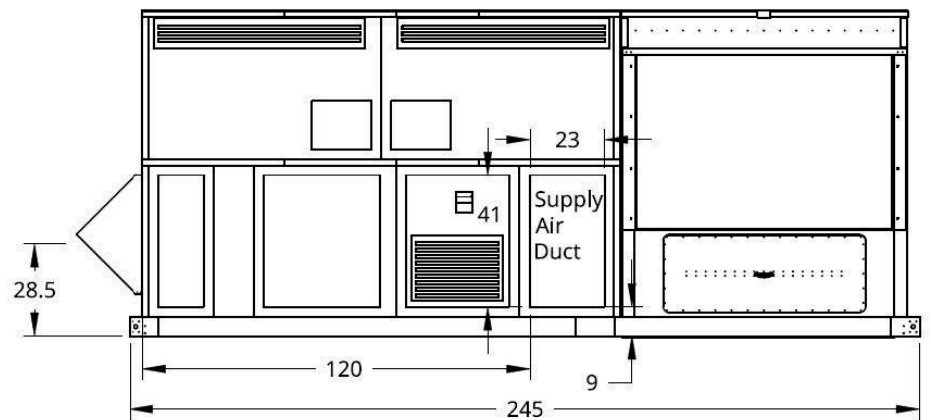
3D CAD View



Top View



End View



Right Side View