



ARID-Dry®
by Climate by Design
INTERNATIONAL

MS 7500/6500



FEATURES:

- Tri-Fuel Capabilities (Electric with Natural and Propane Gas)
- 20" Supply & Return Duct Collars with Protective Covers
- 20" Reactivation Inlet & Outlet Duct Collars with Protective Covers
- Weatherproof Construction – Stainless Steel with double wall insulated cabinet
- Fork tube pocket base
- Desiccant wheel with drive system
- Full perimeter chain drive with lifetime rating
- Viton wiper seals with a 10-year rating
- Backward incline non-overloading fans – Process Air
- Power connection including Cam style locks for easy field connection
- Tooled access doors
- Gas Pressure Gauges for inlet and operating pressure
- Hour Meter
- Phase monitor protection
- Remote Humidistat Ready Plug
- Operation and Fault Indicator Lights
- Circuit breaker protection for motors and heaters
- High/Low Elec. React. Capacity switch
- NEMA 3R Electrical control panel
- Replaceable filter 2" 30% MERV 8
- Structurally Certified Protective/Stacking Cage (bolted)

OPTIONS:

- Remote Humidistat (with 50' of cord)
- Supply & Return Ducting
- Reactivation Inlet & Outlet Ducting
- Ducting Accessories
- Variable Frequency Drive (VFD)
- Lay Flat (Clear)

ETL CERTIFICATION

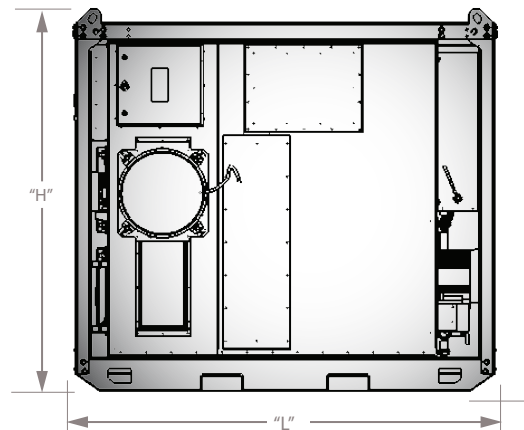
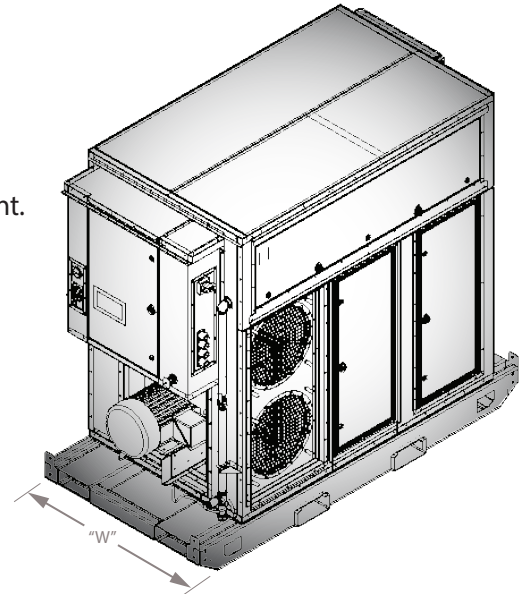
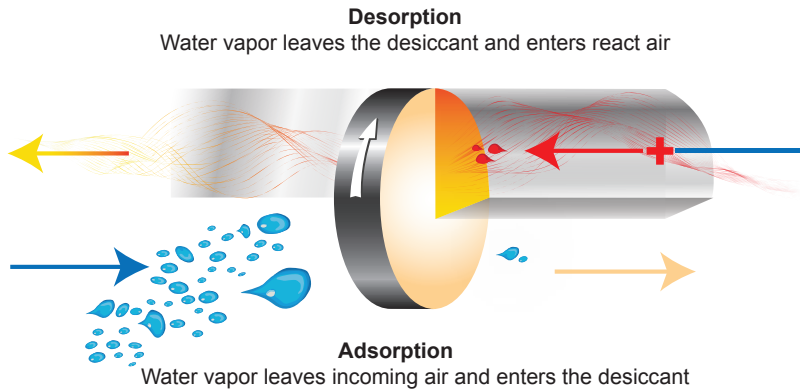
- UL1995/CSA C22.2 No. 236





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*

Unit Physical Data*	Product	MS-7500/6500	
Length (L)	[in]	100.7	
Width (W)	[in]	50	
Height (H)	[in]	91.13	
Approximate Unit Weight	[lb]	4,400	
Utility Data		Electric	Gas
FLA React Heater Load	[amps]	156	0
FLA Low React Heater Load	[amps]	125	0
FLA	[amps]	178.6	21.8
MCA	[amps]	223.25	27.25
MOP	[amps]	225	30
Voltage Options			
Electric Reactivation	[V/PH]	460/3	
Supply Air Data			
Process Air Volume	[scfm]	7,500	6,500
External Static Pressure	[in W.C.]	0	5
Reactivation Air Data			
Reactivation Air Volume	[scfm]	2,150	
External Static Pressure	[in W.C.]	0.5	
Generator Size		Electric	Gas
Minimum	[kw]	150	28
Gas Sizing			
Pipe Size, NPT	[in]	1	
Gas Inlet Pressure	[in W.C.]	7-14	
Gas Max Usage NG	[MBTUH]	500	
Gallons/HR Max Usage LP	[Gal/hr]	5.5	
Propane Tank Size			
Minimum	[gallons]	325	

Moisture Removal Capacity

Nominal Moisture Removal (lb/hr)						
Entering Air Dry Bulb (°F)	Entering Air Relative Humidity (%)					
	80	70	60	50	40	30
80	198	181	163	143	120	95
75	195	178	159	139	116	91
70	189	171	152	132	110	85
65	179	162	143	123	101	78
60	167	150	132	112	92	69
55	152	135	118	100	80	60
50	135	120	103	87	69	51
45	117	103	89	74	59	43
40	100	87	75	62	49	36

Nominal Moisture Removal (Gallon/Day)						
Entering Air Dry Bulb (°F)	Entering Air Relative Humidity (%)					
	80	70	60	50	40	30
80	566	518	466	409	343	272
75	558	509	455	398	332	260
70	541	489	435	378	315	243
65	512	463	409	352	289	223
60	478	429	378	320	263	197
55	435	386	337	286	229	172
50	386	343	295	249	197	146
45	335	295	255	212	169	123
40	286	249	215	177	140	103

*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.

