

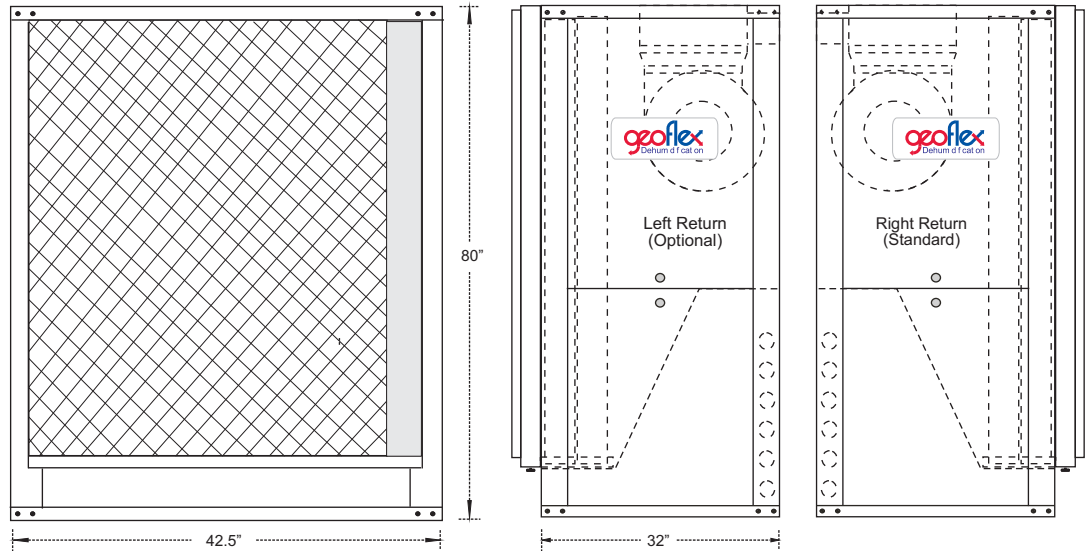
# Technical Specifications

Geoflex Dehumidification System  
Model 210 - 410A - Top Discharge

Available Options
Straight Thru Air Discharge, Bottom Discharge
Pumps can be Built-in, pre-wired, pre-fused & pre-controlled
Partial Hot Water(s) c/w Internal Pump & High Limit Switch
Demand Hot Water(s) c/w Internal Pump, if required
10, 15, 20K Back-up/emergency heater available
Web Based Monitoring System
Flexible Orientation, air discharge, water connections
Diagnostic LED Function Light Array
K-Type ThermoProbes for simpler in field diagnostics
External DX Condensor
100% Internal Water Condensor
Proportional or 100% Water Reheat Systems
Cupronickel and Double Wall Vented Coils for specialized apps.

Elements	
Description	Type
Refrigerant	R410A
Base Unit Refrigerant Charge	10° F Superheat on Base Unit
Compressor	Scroll
Blower	Belt Drive
Air Coil Coating	Baked Acrylic Process
Condensate Pan	SuperGaurd Coated
Internal Air Reheat Condensor	DX
Optional Pool Reheat Condensor	Co-axial
Optional Water Condensor	Co-Axial
Base Unit Weight	
Base Unit Shipping Weight	

Standard Features	
Internal Piping	All Internal Refrigeration Piping is Insulated to Reduce Noise and Potential Pipe Degradation
Air Coils	Air Coils and internal components are coated and baked with an Acrylic Coating
Low Noise Package	1" acoustical insulation & all internal refrigeration lines are fully insulated to reduce noise potential.
Electronic Diagnostics	On board fault Diagnostics
Cabinet	A Separator Plate is used between the Air and Refrigeration Section
Service & Maintenance	Service Doors Surround System
Refrigeration Section	An Internal Negative Pressure Port is incorporated to Reduce Heat or Condensation Build-up.
Service Switches	Independent, Low & High Pressure & Low Flow c/w HP & LP Memory
Freon Service	Bi-flow Filter/Drier & Moisture Indicating Sight Glass
Condensate Sensor	Electronic Condensate Pan Overflow Sensor is included in all Dehumidification Systems.
Condensate Line Position	Systems come with a condensation line that can be adapted to any corner of the system, in the field!
Evaporator Construction	All Evaporator Coils are Insulated to avoid Condensation Rusting
Field Adaption	All Systems are designed to offer maximum field adaptability



- Geoflex Advanced Dehumidification Systems
- Are designed within a modularized format to offer optimal configuration capabilities with consideration to efficiency, functionality, service & field adaption opportunities.
  - Can be ordered in virtually any configuration, vertical, horizontal, top, bottom or straight thru discharge, etc.
  - Can be ordered/designed to exact project retrofit or new design match with a myriad of options.

410A Single Step Dehumidification Performance Data														
Model	Fan Motor Type	Spd	Air Temp °F	50% RH			55% RH			60% RH			Indoor Air Flow CFM	* Damper Added Increase CFM
				Mositure Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Mositure Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Mositure Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh		
210	PSC	Full	80	56.5	121,537	180,929	62.2	116,306	183,287	74.6	114,593	189,721	7,000	9,800
	PSC	Full	82	58.9	118,034	176,664	70.7	113,742	180,010	77.1	110,377	184,074		
	PSC	Full	84	71.9	114,593	172,474	86.2	110,794	176,241	94.1	107,074	179,649		

NOTES: \* Factory Installed Damper Option, assumes one step up on Hp of blower motor  
Other and specialized configurations available, please contact factory.

Higher air volumes available, please contact factory.  
Higher external static pressures available, please contact factory.

Single Step, 410A Electrical Data												
Model	Voltage Code	Voltage	Min/Max Voltage	Compressor			Blower Hp	Blower FLA	Pumps	Total Unit FLA	Min Circuit Amps	Max Fuse/HACR
				RLA	LRA	MCA						
210	C	208-230/60/3	197/254	55.8	340.0	87.0	6.5	23.2	-	85.5	102.6	170
	D	460/60/3	414/506	26.3	114.0	26.0	6.5	13.5	-	46.3	55.5	90
	E	575/60/3	518/633	23.7	132.0	37.0	6.5	10.5	-	40.7	48.9	80

Notes: HACR circuit breaker in USA only      All fuses Class RK-5      Supply wire size determined by local and national codes.  
Local & National Electrical Codes will superceed & take precedent to any information as supplied herein.



Geoflex Systems are CSA approved  
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Due to ongoing research and development Geoflex reserves the right to change or alter specifications and configurations without notice!

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