

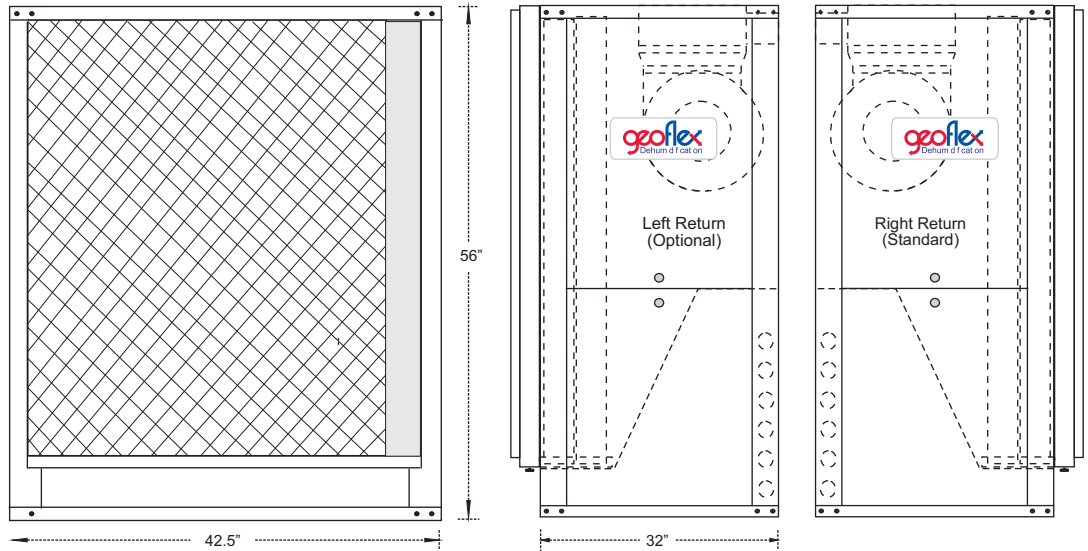
Technical Specifications

Geoflex Dehumidification System
Model 140 - 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 | | |
| 140 | PSC | Full | 80 | 38.6 | 83,888 | 123,644 | 42.5 | 80,281 | 125,244 | 51.0 | 79,097 | 129,632 | 4,667 | 6,533 |
| | PSC | Full | 82 | 40.2 | 81,474 | 120,723 | 48.3 | 78,508 | 122,992 | 52.7 | 76,178 | 125,747 | | |
| | PSC | Full | 84 | 49.1 | 79,097 | 117,848 | 58.9 | 76,467 | 120,399 | 64.3 | 73,885 | 122,694 | | |

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 | | | | | | |
| 140 | C | 208-230/60/3 | 197/254 | 33.3 | 239.0 | 52.0 | 3.5 | 8.4 | - | 45.2 | 54.3 | 90 |
| | D | 460/60/3 | 414/506 | 17.9 | 125.0 | 28.0 | 3.5 | 4.1 | - | 25.5 | 30.7 | 50 |
| | E | 575/60/3 | 518/633 | 12.8 | 80.0 | 20.0 | 3.5 | 3.4 | - | 19.7 | 23.7 | 40 |

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!

Plant Office:
517 McCormick Blvd., London, Ontario N5W 4C8
Phone: 519.488.1653 Fax: 519.913.1259
Email: plant@geoflexsystems.com

Administration Office:
#1, 301 Pakwa Pl., Saskatoon, Sk, S7L 6A3
Phone: 306.668.0090 Fax: 306.668.0049
Email: admin@geoflexsystems.com

www.geoflexsystems.com