

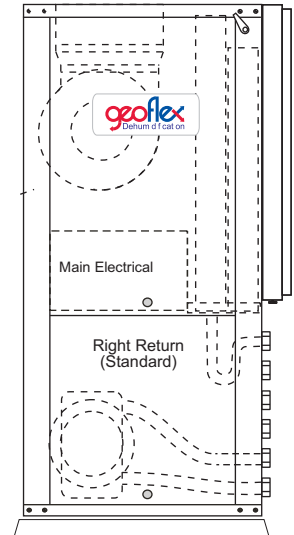
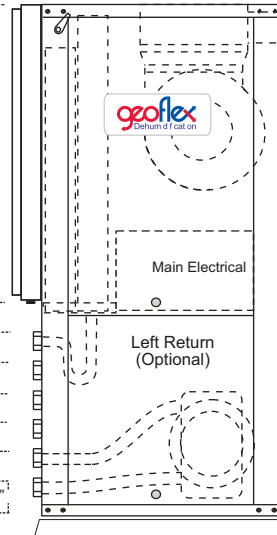
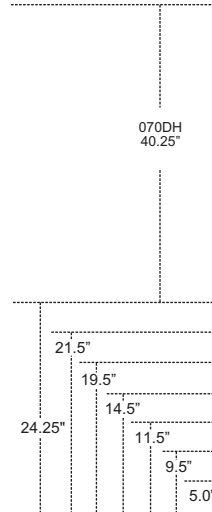
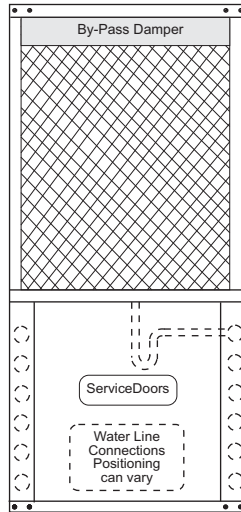
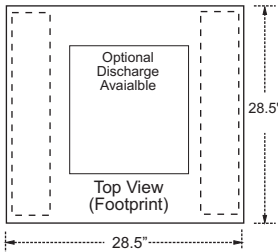
Technical Specifications

Geoflex Dehumidification System
Model 070 - 410A - Top Discharge

| Available Options |
|--|
| Straight Thru, Top or Bottom Air 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 | Direct Drive |
| Air Coil Coating | Baked Acrylic Process |
| Condensate Pan | Anti-Corrosion 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 | Independant, Low & High Pressure & Low Flow c/w HP & LP Memory |
| Freon Service | Bi-flow Filter/Drier & Moisture Indicating Sight Glass |
| Evaporator Construction | All Evaporator Coils are Insulated to avoid Condensation Rusting |
| Field Adaption | Designed to maximize field adaptability Field Positionable Condensate Line |



- 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 | RH 50% | | | RH 55% | | | RH 60% | | | Flow Indoor Air 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 | |
| 070 | PSC | Full | 80 | 18.6 | 40,086 | 59,550 | 20.5 | 38,336 | 60,346 | 24.6 | 37,763 | 62,472 | 2,333 |
| | PSC | Full | 82 | 19.4 | 38,914 | 58,158 | 23.3 | 37,478 | 59,278 | 25.4 | 36,354 | 60,633 | |
| | PSC | Full | 84 | 23.7 | 37,763 | 56,792 | 28.4 | 36,493 | 58,050 | 28.4 | 36,493 | 58,050 | |

| Single Step, 410A Electrical Data | | | | | | | | | | | | | | | |
|-----------------------------------|--------------|--------------|-----------------|------------|-------|------|-----------|------------|----------------|------------------|---------------|-------------|------------|--------|--|
| Model | Voltage Code | Voltage | Min/Max Voltage | Compressor | | | Blower Hp | Blower FLA | Total Unit FLA | Min Circuit Amps | Max Fuse/HACR | Supply Wire | | | |
| | | | | RLA | LRA | LRA* | | | | | | Min AWG | Max Ft (M) | | |
| 70 | A | 208-230/60/1 | 197/254 | 28.3 | 178.0 | 62.5 | 1 | 5.3 | 34.6 | 41.6 | 60 | 8 | 97 | (29.6) | |
| | C | 208-230/60/3 | 197/254 | 19.2 | 136.0 | | 1 | 4.4 | 24.6 | 29.6 | 35 | 10 | 123 | (37.5) | |
| | D | 460/60/3 | 414/506 | 8.7 | 66.1 | | 1 | 2.0 | 11.7 | 14.1 | 20 | 14 | 205 | (62.5) | |
| | E | 575/60/3 | 518/633 | 6.9 | 55.3 | | 1 | 1.6 | 9.5 | 11.4 | 15 | 14 | 257 | (78.4) | |

Notes: LRA* estimated with optional "Secure Start" installed (208-230/60/1)
HACR circuit breaker in USA only All fuses Class RK-5

Wire length based on higher if 2 voltages, one way 2.0% voltage drop
Wire size based on 60°C copper conductor & minimum circuit ampacity



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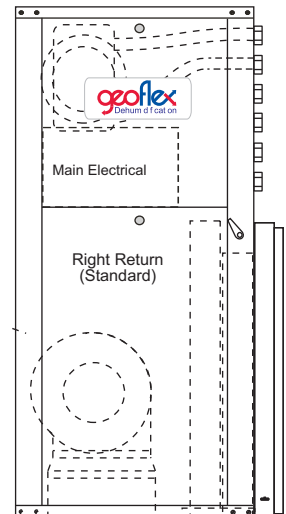
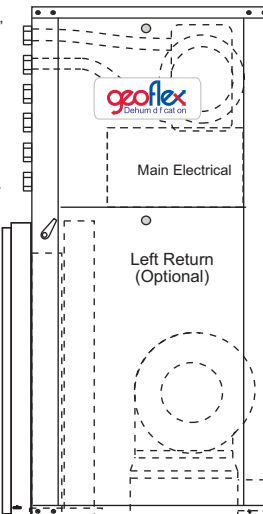
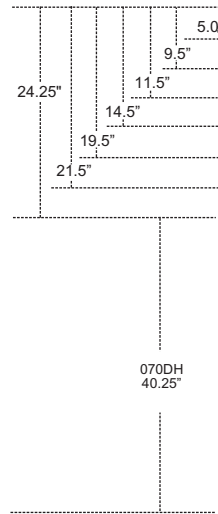
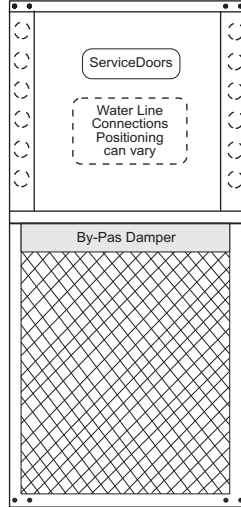
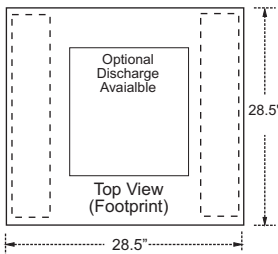
Technical Specifications

Geoflex Dehumidification System
Model 070 - 410A - Bottom Discharge

| Available Options |
|--|
| Straight Thru, Top or Bottom Air 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 | Direct Drive |
| Air Coil Coating | Baked Acrylic Process |
| Condensate Pan | Anti-Corrosion 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 | Independant, Low & High Pressure & Low Flow c/w HP & LP Memory |
| Freon Service | Bi-flow Filter/Drier & Moisture Indicating Sight Glass |
| Evaporator Construction | All Evaporator Coils are Insulated to avoid Condensation Rusting |
| Field Adaption | Designed to maximize field adaptability Field Positionable Condensate Line |



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 - 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 | RH 50% | | | RH 55% | | | RH 60% | | | Flow Indoor Air CFM |
| | | | | Mositure Removal lbs/hr | Sensible Cooling Btuh | Total Capacity Btuh | Mositure Rem oval lbs/hr | Sensible Cooling Btuh | Total Capacity Btuh | Mositure Removal lbs/hr | Sensible Cooling Btuh | Total Capacity Btuh | |
| 070 | PSC | Full | 80 | 18.6 | 40,086 | 59,550 | 20.5 | 38,336 | 60,346 | 24.6 | 37,763 | 62,472 | 2,333 |
| | PSC | Full | 82 | 19.4 | 38,914 | 58,158 | 23.3 | 37,478 | 59,278 | 25.4 | 36,354 | 60,633 | |
| | PSC | Full | 84 | 23.7 | 37,763 | 56,792 | 28.4 | 36,493 | 58,050 | 28.4 | 36,493 | 58,050 | |

| Single Step, 410A Electrical Data | | | | | | | | | | | | | | |
|-----------------------------------|--------------|--------------|-----------------|------------|-------|------|-----------|------------|----------------|------------------|---------------|-------------|------------|--------|
| Model | Voltage Code | Voltage | Min/Max Voltage | Compressor | | | Blower Hp | Blower FLA | Total Unit FLA | Min Circuit Amps | Max Fuse/HACR | Supply Wire | | |
| | | | | RLA | LRA | LRA* | | | | | | Min AWG | Max Ft (M) | |
| 70 | A | 208-230/60/1 | 197/254 | 28.3 | 178.0 | 62.5 | 1 | 5.3 | 34.6 | 41.6 | 60 | 8 | 97 | (29.6) |
| | C | 208-230/60/3 | 197/254 | 19.2 | 136.0 | | 1 | 4.4 | 24.6 | 29.6 | 35 | 10 | 123 | (37.5) |
| | D | 460/60/3 | 414/506 | 8.7 | 66.1 | | 1 | 2.0 | 11.7 | 14.1 | 20 | 14 | 205 | (62.5) |
| | E | 575/60/3 | 518/633 | 6.9 | 55.3 | | 1 | 1.6 | 9.5 | 11.4 | 15 | 14 | 257 | (78.4) |

Notes: LRA* estimated with optional "Secure Start" installed (208-230/60/1)
HACR circuit breaker in USA only All fuses Class RK-5

Wire length based on higher if 2 voltages, one way 2.0% voltage drop
Wire size based on 60°C copper conductor & minimum circuit ampacity



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Technical Specifications

Geoflex Dehumidification System
Model 070 - 410A - Horizontal

| Available Options |
|--|
| Straight Thru, Top or Bottom Air 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 | Direct Drive |
| Air Coil Coating | Baked Acrylic Process |
| Condensate Pan | Anti-Corrosion Coated |
| Internal Air Reheat Condensor | DX |
| Optional Pool Reheat Condensor | Co-axial |
| Optional Water Condensor | Co-Axial |
| Base Unit Weight | |
| Base Unit Shipping Weight | |

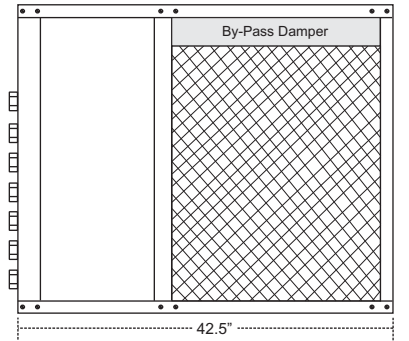
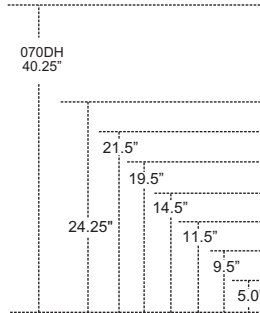
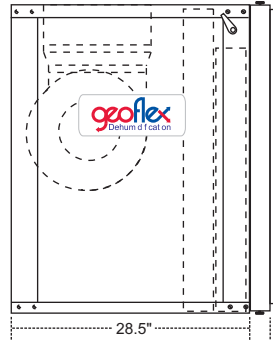
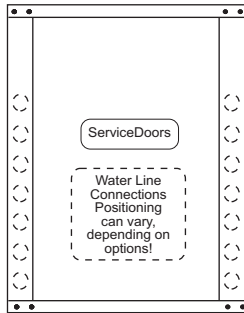
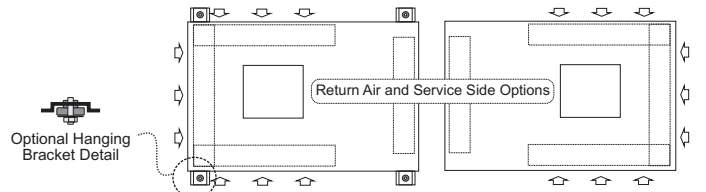
| Standard Features | |
|-------------------------|--|
| Internal Piping | All Internal Refrigeration Piping is Insulated to Reduce Noise and Potential Pipe Degradation |
| Air Coils | Air Coils and internal components are coated and baked with an Acrylic Coating |
| Low Noise Package | 1" acoustical 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 | Independant, Low & High Pressure & Low Flow c/w HP & LP Memory |
| Freon Service | Bi-flow Filter/Drier & Moisture Indicating Sight Glass |
| Evaporator Construction | All Evaporator Coils are Insulated to avoid Condensation Rusting |
| Field Adaption | Designed to maximize field adaptability Field Positionable Condensate Line |

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.

Notes:

- A 6" Space must be left under the system to allow for a condensate drain trap.
- Much consideration must be given to noise, as horizontal units are commonly hung above drop ceilings in office spaces
- Back-up/Emergency Plenum Heaters can be built in with top and bottom discharge, all other discharge options would be built on.



| 410A Single Step Dehumidification Performance Data | | | | | | | | | | | | | |
|--|----------------|------|-------------|-------------------------|-----------------------|---------------------|-------------------------|-----------------------|---------------------|-------------------------|-----------------------|---------------------|---------------------|
| Model | Fan Motor Type | Spd | Air Temp °F | RH 50% | | | RH 55% | | | RH 60% | | | Flow Indoor Air 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 | |
| 070 | PSC | Full | 80 | 18.6 | 40,086 | 59,550 | 20.5 | 38,336 | 60,346 | 24.6 | 37,763 | 62,472 | 2,333 |
| | PSC | Full | 82 | 19.4 | 38,914 | 58,158 | 23.3 | 37,478 | 59,278 | 25.4 | 36,354 | 60,633 | |
| | PSC | Full | 84 | 23.7 | 37,763 | 56,792 | 28.4 | 36,493 | 58,050 | 28.4 | 36,493 | 58,050 | |

| Single Step, 410A Electrical Data | | | | | | | | | | | | | | | |
|-----------------------------------|--------------|--------------|-----------------|------------|-------|------|-----------|------------|----------------|------------------|---------------|-------------|------------|--------|--|
| Model | Voltage Code | Voltage | Min/Max Voltage | Compressor | | | Blower Hp | Blower FLA | Total Unit FLA | Min Circuit Amps | Max Fuse/HACR | Supply Wire | | | |
| | | | | RLA | LRA | LRA* | | | | | | Min AWG | Max Ft (M) | | |
| 70 | A | 208-230/60/1 | 197/254 | 28.3 | 178.0 | 62.5 | 1 | 5.3 | 34.6 | 41.6 | 60 | 8 | 97 | (29.6) | |
| | C | 208-230/60/3 | 197/254 | 19.2 | 136.0 | | 1 | 4.4 | 24.6 | 29.6 | 35 | 10 | 123 | (37.5) | |
| | D | 460/60/3 | 414/506 | 8.7 | 66.1 | | 1 | 2.0 | 11.7 | 14.1 | 20 | 14 | 205 | (62.5) | |
| | E | 575/60/3 | 518/633 | 6.9 | 55.3 | | 1 | 1.6 | 9.5 | 11.4 | 15 | 14 | 257 | (78.4) | |

Notes: LRA* estimated with optional "Secure Start" installed (208-230/60/1)
HACR circuit breaker in USA only All fuses Class RK-5

Wire length based on higher if 2 voltages, one way 2.0% voltage drop
Wire size based on 60°C copper conductor & minimum circuit ampacity



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