

Technical Specifications

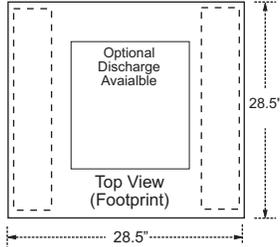
Geoflex Models 026, 038, 049, 064, 072, Two Step Water/Liquid to Air - 410A - Top Discharge

| Pipe Connections | | |
|---------------------|---|------|
| All Two Step Models | Geothermal Loop or Open Well (in. mnpt) | 1" |
| | Internal DHW Pump (in. mnpt) | 1" |
| | Internal DS/PHW Pump (in. mnpt) | 3/4" |
| | Cond. Line Out (in. mnpt) | 3/4" |
| | Optional Manual Passive Cooling (in. mnpt) | 3/4" |
| | Optional Manual Hydronic Back-up (in. mnpt) | 3/4" |

Notes: Specialized pumps can change pipe connection sizing!
Piping positions can vary, depending on options

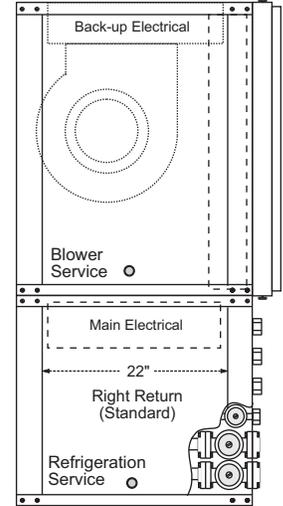
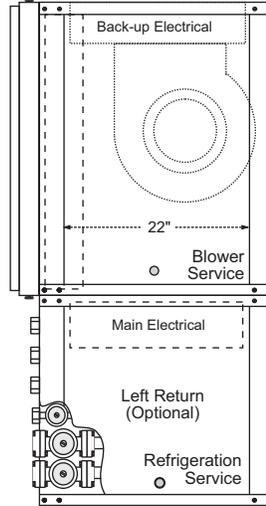
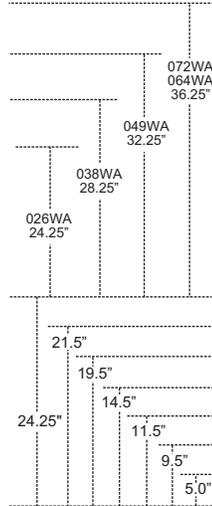
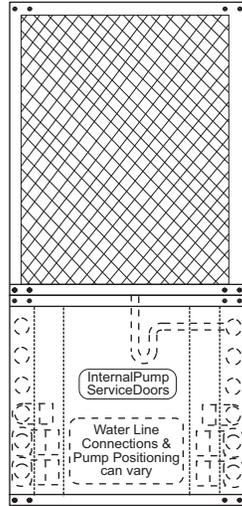
| Standard Features | Geoflex Systems |
|-------------------------|--|
| Low Noise Package | 1" acoustical insulation & all internal refrigeration lines are fully insulated to reduce noise potential. |
| Electronic Diagnostics | On board fault Diagnostics |
| Service & Maintenance | Service Doors Surround System |
| Service Switches | Independent, 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 | All Geoflex Systems are designed to offer maximum field adaptability |

| Available Options |
|--|
| All 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 |
| 10, 15, 20K / Hydronic back-up/emergency available |
| Flexible Orientation, air discharge, water connections |
| Diagnostic LED Function Light Array |
| K-Type ThermoProbes for simpler in field diagnostics |
| Automated First Stage or Manual Passive Cooling Built-in |
| Cupronickel and Double Wall Vented Coils for specialized apps. |



Geoflex Heat Pumps are designed within a modularized format to offer optimal configuration capabilities with consideration to efficiency, functionality, service & field adaption opportunities.

Geoflex Systems are "fully run tested", prior to shipping! The Geoflex advanced line of Residential and Commercial Geothermal Heat Pumps have been 3rd party sample tested by ETL, as a part of the ARI certification program. Geoflex Geothermal products are rated in accordance with ISO 13256-1.



| Geoflex Two Step Physical Data | | | | | |
|--------------------------------|-----------------|----------------------|-------------------------------|--------------------------------|----------------------------------|
| Model | Height (inches) | Filter Size (Inches) | Forced Air Only Weight (lbs.) | Forced Air & DHW Weight (lbs.) | Est. Base Shipping Weight (lbs.) |
| 26 | 48.5" | 25"X24" | 290 | 305 | 330 |
| 38 | 52.5" | 25"X28" | 280 | 340 | 365 |
| 49 | 56.5" | 25"X32" | 300 | 370 | 405 |
| 64 | 60.5" | 25"X36" | 330 | 410 | 445 |
| 72 | 60.5" | 25"X36" | 350 | 440 | 475 |

Notes: Footprint is 28.5" X 28.5" on systems, herein
Filter Rack for a 1" or 2" Filter is Optional
A 2" Pleated Filter is Recommended
Weights can vary, based on options
Units must be placed on Anti-vibration Pad
Add 30 lbs for desuperheater Option
Add 25 lbs for shipping weights

| Geoflex 410A Two Step Electrical Data | | | | | | | | | | | | |
|---------------------------------------|----------------|------------|-----|------|--------------|-------------------|---------------|----------------|------------------|---------------|-------------|------------|
| Model | Fan Motor Type | Compressor | | | HWG Pump FLA | Ext Loop Pump FLA | Fan Motor FLA | Total Unit FLA | Min Circuit Amps | Max Fuse/HACR | Supply Wire | |
| | | RLA | LRA | LRA* | | | | | | | Min AWG | Max Ft (M) |
| 26 | ECM | 10.2 | 52 | 18.2 | 0.4 | 0.9 | 3.9 | 15.4 | 17.5 | 25/30 | 10 | 83 (25.2) |
| | PSC | 10.2 | 52 | 18.2 | 0.4 | 0.9 | 2.5 | 14.0 | 15.9 | 25/30 | 10 | 88 (27.0) |
| 38 | ECM | 16.7 | 82 | 28.8 | 0.4 | 1.8 | 3.9 | 22.8 | 26.5 | 35/40 | 10 | 53 (16.1) |
| | PSC | 16.7 | 82 | 28.8 | 0.4 | 1.8 | 2.5 | 21.4 | 24.9 | 35/40 | 10 | 60 (18.2) |
| 49 | ECM | 21.1 | 96 | 33.7 | 0.4 | 1.8 | 3.9 | 27.2 | 31.7 | 40 | 8 | 69 (21.1) |
| | PSC | 21.2 | 96 | 33.7 | 0.4 | 1.8 | 3.6 | 27.0 | 31.5 | 40 | 8 | 72 (22.0) |
| 64 | ECM | 25.6 | 118 | 41.4 | 0.4 | 1.8 | 6.9 | 34.7 | 40.6 | 50 | 6 | 58 (17.6) |
| | PSC | 25.6 | 118 | 41.4 | 0.4 | 1.8 | 4.6 | 32.4 | 37.9 | 50 | 6 | 63 (19.1) |
| 72 | ECM | 27.2 | 150 | 52.6 | 0.4 | 2.7 | 6.9 | 37.2 | 43.6 | 60 | 6 | 87 (26.4) |
| | PSC | 27.2 | 150 | 52.6 | 0.4 | 2.7 | 5.3 | 35.6 | 41.8 | 60 | 6 | 90 (27.6) |

Notes: Rated Voltage of 208-230/60/1
HACR circuit breaker in USA only
LRA* with optional Secure Start installed (208-230/60/1)
Min/Max Voltage of 197/254
All fuses Class RK-5
Wire length based on, 230V & one way 1.5% voltage drop
Wire size based on 60°C copper conductor & MCA

| Geoflex 410A Two Step Performance Data | | | | | | | | | | | | | | | | |
|--|----------------|----------------|----------------------|------------|---------------|-----|-------------------------------|------------|---------------|-----|-----------------------|------------|-----------------------|-----|------|------|
| Model | Fan Motor Type | Full/Part Cap. | Building Closed Loop | | | | Ground Open Well "Water" Loop | | | | Ground Closed Loop | | | | Flow | |
| | | | Cooling 86 F | | Heating 68F | | Cooling 59 F | | Heating 50F | | Cooling Full Load 77F | | Heating Part Load 41F | | | |
| | | | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | | |
| 26 | ECM | Full | 25,650 | 16.0 | 30,900 | 5.4 | 28,950 | 24.3 | 25,500 | 4.9 | 26,900 | 18.6 | 19,650 | 4.1 | 8 | 950 |
| | ECM | Part | 19,450 | 18.5 | 22,500 | 6.2 | 22,100 | 31.0 | 18,350 | 5.3 | 21,400 | 26.4 | 16,350 | 4.7 | 7 | 750 |
| | PSC | Full | 24,903 | 15.6 | 31,827 | 5.3 | 28,107 | 23.8 | 26,265 | 4.8 | 26,117 | 18.2 | 20,240 | 4.0 | 8 | 950 |
| | PSC | Part | 18,883 | 18.1 | 23,175 | 6.1 | 21,456 | 30.4 | 18,901 | 5.1 | 20,777 | 25.9 | 16,841 | 4.6 | 7 | 750 |
| 38 | ECM | Full | 37,600 | 16.4 | 43,500 | 5.4 | 40,300 | 23.6 | 35,750 | 4.9 | 39,200 | 19.2 | 28,000 | 4.1 | 9 | 1250 |
| | ECM | Part | 27,100 | 19.3 | 30,550 | 6.4 | 30,350 | 31.8 | 24,800 | 5.3 | 29,500 | 28.5 | 22,200 | 4.8 | 8 | 1050 |
| | PSC | Full | 36,505 | 16.1 | 44,805 | 5.3 | 39,126 | 23.1 | 36,823 | 4.8 | 38,058 | 18.8 | 28,840 | 4.0 | 9 | 1250 |
| | PSC | Part | 26,311 | 18.9 | 31,467 | 6.3 | 29,466 | 31.2 | 25,544 | 5.1 | 28,641 | 27.9 | 22,866 | 4.7 | 8 | 1050 |
| 49 | ECM | Full | 48,350 | 15.8 | 58,650 | 5.2 | 53,900 | 22.6 | 47,750 | 4.7 | 50,300 | 18.0 | 37,450 | 4.1 | 12 | 1550 |
| | ECM | Part | 36,000 | 18.1 | 43,100 | 6.2 | 39,250 | 28.5 | 34,700 | 5.2 | 39,150 | 25.0 | 31,100 | 4.7 | 11 | 1300 |
| | PSC | Full | 46,942 | 15.4 | 60,410 | 5.0 | 52,330 | 22.2 | 49,183 | 4.6 | 48,835 | 17.6 | 38,574 | 4.0 | 12 | 1550 |
| | PSC | Part | 34,951 | 17.7 | 44,393 | 6.0 | 38,107 | 27.9 | 35,741 | 5.0 | 38,010 | 24.5 | 32,033 | 4.6 | 11 | 1300 |
| 64 | ECM | Full | 63,000 | 15.6 | 72,400 | 5.1 | 69,650 | 22.4 | 58,200 | 4.5 | 66,200 | 17.8 | 46,900 | 3.9 | 16 | 1900 |
| | ECM | Part | 45,950 | 17.9 | 51,300 | 5.8 | 51,700 | 29.5 | 40,700 | 4.8 | 50,450 | 25.5 | 36,750 | 4.3 | 14 | 1600 |
| | PSC | Full | 61,165 | 15.3 | 74,572 | 5.0 | 67,621 | 21.9 | 59,946 | 4.4 | 64,272 | 17.4 | 48,307 | 3.8 | 16 | 1900 |
| | PSC | Part | 44,612 | 17.5 | 52,839 | 5.6 | 50,194 | 28.9 | 41,921 | 4.7 | 48,981 | 25.0 | 37,853 | 4.2 | 14 | 1600 |
| 72 | ECM | Full | 69,850 | 14.6 | 87,650 | 5.0 | 78,500 | 21.1 | 69,050 | 4.4 | 72,600 | 17.2 | 54,100 | 3.7 | 18 | 2050 |
| | ECM | Part | 53,400 | 16.3 | 64,300 | 5.3 | 61,000 | 25.3 | 51,350 | 4.5 | 58,250 | 22.3 | 45,200 | 4.1 | 16 | 1700 |
| | PSC | Full | 67,816 | 14.3 | 90,280 | 4.9 | 76,214 | 22.0 | 71,122 | 4.3 | 70,485 | 17.1 | 55,723 | 3.6 | 18 | 2050 |
| | PSC | Part | 51,845 | 16.0 | 66,229 | 5.1 | 59,223 | 24.8 | 52,891 | 4.4 | 56,553 | 21.8 | 46,556 | 4.0 | 16 | 1700 |

NOTES: Heating capacities based upon 68°F DB, 59°F WB entering air temperature
Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
Ground Loop Heat Pump ratings based on 15% antifreeze solution
All ratings based upon operation at lower voltage of dual voltage rated models



Geoflex Heat Pumps are QPS 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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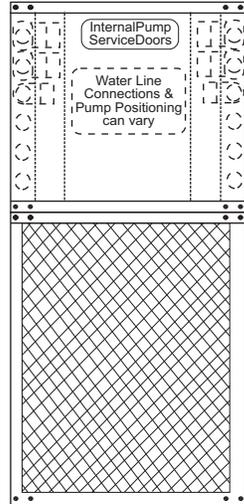
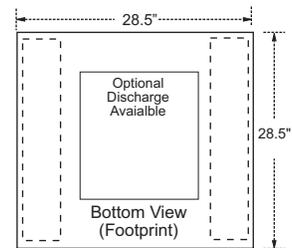
Geoflex Models 026, 038, 049, 064, 072, Two Step Water/Liquid to Air - 410A - Down Discharge

| Pipe Connections | | |
|---------------------|---|------|
| All Two Step Models | Geothermal Loop or Open Well (in. mnpt) | 1" |
| | Internal DHW Pump (in. mnpt) | 1" |
| | Internal DS/PHW Pump (in. mnpt) | 3/4" |
| | Cond. Line Out (in. mnpt) | 3/4" |
| | Optional Manual Passive Cooling (in. mnpt) | 3/4" |
| | Optional Manual Hydronic Back-up (in. mnpt) | 3/4" |

Notes: Specialized pumps can change pipe connection sizing!
Piping positions can vary, depending on options

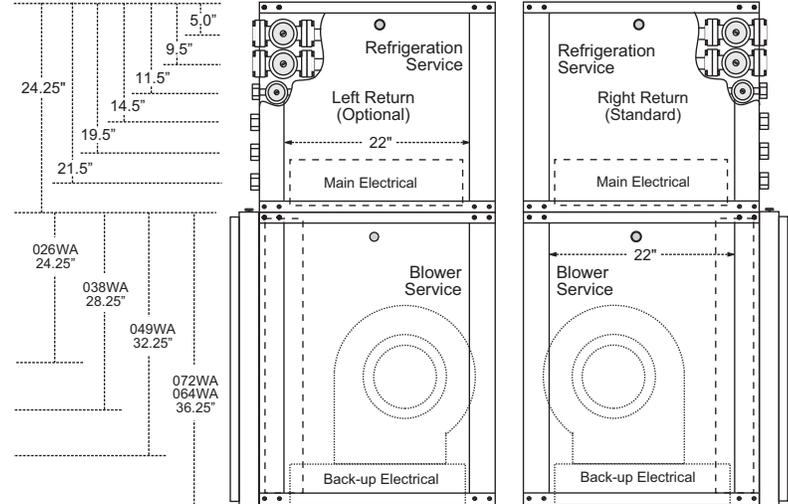
Geoflex Heat Pumps are designed within a modularized format to offer optimal configuration capabilities with consideration to efficiency, functionality, service & field adaptation opportunities.

Geoflex Systems are "fully run tested", prior to shipping! The Geoflex advanced line of Residential and Commercial Geothermal Heat Pumps have been 3rd party sample tested by ETL, as a part of the ARI certification program. Geoflex Geothermal products are rated in



| Standard Features | Geoflex Systems |
|-------------------------|--|
| Low Noise Package | 1" acoustical insulation & all internal refrigeration lines are fully insulated to reduce noise potential. |
| Electronic Diagnostics | On board fault Diagnostics |
| Service & Maintenance | Service Doors Surround System |
| Service Switches | Independent, 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 Adaptation | All Geoflex Systems are designed to offer maximum field adaptability |

| Available Options |
|--|
| All 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 |
| 10, 15, 20K / Hydronic back-up/emergency available |
| Flexible Orientation, air discharge, water connections |
| Diagnostic LED Function Light Array |
| K-Type ThermoProbes for simpler in field diagnostics |
| Automated First Stage or Manual Passive Cooling Built-in |
| Cupronickel and Double Wall Vented Coils for specialized apps. |



| Geoflex Two Step Physical Data | | | | | |
|--------------------------------|-----------------|----------------------|-------------------------------|--------------------------------|----------------------------------|
| Model | Height (inches) | Filter Size (Inches) | Forced Air Only Weight (lbs.) | Forced Air & DHW Weight (lbs.) | Est. Base Shipping Weight (lbs.) |
| 26 | 48.5" | 25"X24" | 250 | 305 | 330 |
| 38 | 52.5" | 25"X28" | 280 | 340 | 365 |
| 49 | 56.5" | 25"X32" | 300 | 370 | 405 |
| 64 | 60.5" | 25"X36" | 330 | 410 | 445 |
| 72 | 60.5" | 25"X36" | 350 | 440 | 475 |

Notes: Footprint is 28.5" X 28.5" on systems, herein
Filter Rack for a 1" or 2" Filter is Optional
A 2" Pleated Filter is Recommended
Weights can vary, based on options
Units must be placed on Anti-vibration Pad
Add 30 lbs for desuperheater Option
Add 25 lbs for shipping weights

| Geoflex 410A Two Step Electrical Data | | | | | | | | | | | | |
|---------------------------------------|----------------|------------|-----|------|--------------|-------------------|---------------|----------------|------------------|---------------|-------------|------------|
| Model | Fan Motor Type | Compressor | | | HWG Pump FLA | Ext Loop Pump FLA | Fan Motor FLA | Total Unit FLA | Min Circuit Amps | Max Fuse/HACR | Supply Wire | |
| | | RLA | LRA | LRA* | | | | | | | Min AWG | Max Ft (M) |
| 26 | ECM | 10.2 | 52 | 18.2 | 0.4 | 0.9 | 3.9 | 15.4 | 17.5 | 25/30 | 10 | 83 (25.2) |
| | PSC | 10.2 | 52 | 18.2 | 0.4 | 0.9 | 2.5 | 14.0 | 15.9 | 25/30 | 10 | 88 (27.0) |
| 38 | ECM | 16.7 | 82 | 28.8 | 0.4 | 1.8 | 3.9 | 22.8 | 26.5 | 35/40 | 10 | 53 (16.1) |
| | PSC | 16.7 | 82 | 28.8 | 0.4 | 1.8 | 2.5 | 21.4 | 24.9 | 35/40 | 10 | 60 (18.2) |
| 49 | ECM | 21.1 | 96 | 33.7 | 0.4 | 1.8 | 3.9 | 27.2 | 31.7 | 40 | 8 | 69 (21.1) |
| | PSC | 21.2 | 96 | 33.7 | 0.4 | 1.8 | 3.6 | 27.0 | 31.5 | 40 | 8 | 72 (22.0) |
| 64 | ECM | 25.6 | 118 | 41.4 | 0.4 | 1.8 | 6.9 | 34.7 | 40.6 | 50 | 6 | 58 (17.6) |
| | PSC | 25.6 | 118 | 41.4 | 0.4 | 1.8 | 4.6 | 32.4 | 37.9 | 50 | 6 | 63 (19.1) |
| 72 | ECM | 27.2 | 150 | 52.6 | 0.4 | 2.7 | 6.9 | 37.2 | 43.6 | 60 | 6 | 87 (26.4) |
| | PSC | 27.2 | 150 | 52.6 | 0.4 | 2.7 | 5.3 | 35.6 | 41.8 | 60 | 6 | 90 (27.6) |

Notes: Rated Voltage of 208-230/60/1 Min/Max Voltage of 197/254
HACR circuit breaker in USA only All fuses Class RK-5
Wire length based on, 230V & one way 1.5% voltage drop
Wire size based on 60°C copper conductor & MCA
LRA* with optional Secure Start installed (208-230/60/1)

| Geoflex 410A Two Step Performance Data | | | | | | | | | | | | | | | | |
|--|----------------|----------------|----------------------|------------|---------------|-----|-------------------------------|------------|---------------|-----|-----------------------|------------|-----------------------|-----|------|------|
| Model | Fan Motor Type | Full/Part Cap. | Building Closed Loop | | | | Ground Open Well "Water" Loop | | | | Ground Closed Loop | | | | Flow | |
| | | | Cooling 86 F | | Heating 68F | | Cooling 59 F | | Heating 50F | | Cooling Full Load 77F | | Heating Part Load 41F | | | |
| | | | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | | |
| 26 | ECM | Full | 25,650 | 16.0 | 30,900 | 5.4 | 28,950 | 24.3 | 25,500 | 4.9 | 26,900 | 18.6 | 19,650 | 4.1 | 8 | 950 |
| | ECM | Part | 19,450 | 18.5 | 22,500 | 6.2 | 22,100 | 31.0 | 18,350 | 5.3 | 21,400 | 26.4 | 16,350 | 4.7 | 7 | 750 |
| | PSC | Full | 24,903 | 15.6 | 31,827 | 5.3 | 28,107 | 23.8 | 26,265 | 4.8 | 26,117 | 18.2 | 20,240 | 4.0 | 8 | 950 |
| | PSC | Part | 18,883 | 18.1 | 23,175 | 6.1 | 21,456 | 30.4 | 18,901 | 5.1 | 20,777 | 25.9 | 16,841 | 4.6 | 7 | 750 |
| 38 | ECM | Full | 37,600 | 16.4 | 43,500 | 5.4 | 40,300 | 23.6 | 35,750 | 4.9 | 39,200 | 19.2 | 28,000 | 4.1 | 9 | 1250 |
| | ECM | Part | 27,100 | 19.3 | 30,550 | 6.4 | 30,350 | 31.8 | 24,800 | 5.3 | 29,500 | 28.5 | 22,200 | 4.8 | 8 | 1050 |
| | PSC | Full | 36,505 | 16.1 | 44,805 | 5.3 | 39,126 | 23.1 | 36,823 | 4.8 | 38,058 | 18.8 | 28,840 | 4.0 | 9 | 1250 |
| | PSC | Part | 26,311 | 18.9 | 31,467 | 6.3 | 29,466 | 31.2 | 25,544 | 5.1 | 28,641 | 27.9 | 22,866 | 4.7 | 8 | 1050 |
| 49 | ECM | Full | 48,350 | 15.8 | 58,650 | 5.2 | 53,900 | 22.6 | 47,750 | 4.7 | 50,300 | 18.0 | 37,450 | 4.1 | 12 | 1550 |
| | ECM | Part | 36,000 | 18.1 | 43,100 | 6.2 | 39,250 | 28.5 | 34,700 | 5.2 | 39,150 | 25.0 | 31,100 | 4.7 | 11 | 1300 |
| | PSC | Full | 46,942 | 15.4 | 60,410 | 5.0 | 52,330 | 22.2 | 49,183 | 4.6 | 48,835 | 17.6 | 38,574 | 4.0 | 12 | 1550 |
| | PSC | Part | 34,951 | 17.7 | 44,393 | 6.0 | 38,107 | 27.9 | 35,741 | 5.0 | 38,010 | 24.5 | 32,033 | 4.6 | 11 | 1300 |
| 64 | ECM | Full | 63,000 | 15.6 | 72,400 | 5.1 | 69,650 | 22.4 | 58,200 | 4.5 | 66,200 | 17.8 | 46,900 | 3.9 | 16 | 1900 |
| | ECM | Part | 45,950 | 17.9 | 51,300 | 5.8 | 51,700 | 29.5 | 40,700 | 4.8 | 50,450 | 25.5 | 36,750 | 4.3 | 14 | 1600 |
| | PSC | Full | 61,165 | 15.3 | 74,572 | 5.0 | 67,621 | 21.9 | 59,946 | 4.4 | 64,272 | 17.4 | 48,307 | 3.8 | 16 | 1900 |
| | PSC | Part | 44,612 | 17.5 | 52,839 | 5.6 | 50,194 | 28.9 | 41,921 | 4.7 | 48,981 | 25.0 | 37,853 | 4.2 | 14 | 1600 |
| 72 | ECM | Full | 69,850 | 14.6 | 87,650 | 5.0 | 78,500 | 21.1 | 69,050 | 4.4 | 72,600 | 17.2 | 54,100 | 3.7 | 18 | 2050 |
| | ECM | Part | 53,400 | 16.3 | 64,300 | 5.3 | 61,000 | 25.3 | 51,350 | 4.5 | 58,250 | 22.3 | 45,200 | 4.1 | 16 | 1700 |
| | PSC | Full | 67,816 | 14.3 | 90,280 | 4.9 | 76,214 | 22.0 | 71,122 | 4.3 | 70,485 | 17.1 | 55,723 | 3.6 | 18 | 2050 |
| | PSC | Part | 51,845 | 16.0 | 66,229 | 5.1 | 59,223 | 24.8 | 52,891 | 4.4 | 56,553 | 21.8 | 46,556 | 4.0 | 16 | 1700 |

NOTES: Heating capacities based upon 68°F DB, 59°F WB entering air temperature
Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
Ground Loop Heat Pump ratings based on 15% antifreeze solution
All ratings based upon operation at lower voltage of dual voltage rated models



Geoflex Heat Pumps are QPS 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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www.geoflexsystems.com

Technical Specifications

Geoflex Models 026, 038, 049, 064, 072, Two Step Water/Liquid to Air - 410A - Horizontal

| Pipe Connections | | |
|---------------------|---|------|
| All Two Step Models | Geothermal Loop or Open Well (in. mnpt) | 1" |
| | Internal DHW Pump (in. mnpt) | 1" |
| | Internal DS/PHW Pump (in. mnpt) | 3/4" |
| | Cond. Line Out (in. mnpt) | 3/4" |
| | Optional Manual Passive Cooling (in. mnpt) | 3/4" |
| | Optional Manual Hydronic Back-up (in. mnpt) | 3/4" |

Notes: Specialized pumps can change pipe connection sizing!
Piping positions can vary, depending on options

| Standard Features | Geoflex Systems |
|-------------------------|--|
| Low Noise Package | 1" acoustical insulation & all internal refrigeration lines are fully insulated to reduce noise potential. |
| Electronic Diagnostics | On board fault Diagnostics |
| Service & Maintenance | Service Doors Surround System |
| Service Switches | Independent, 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 Adaptation | All Geoflex Systems are designed to offer maximum field adaptability |

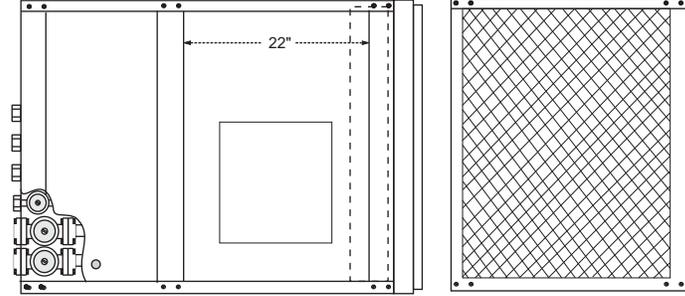
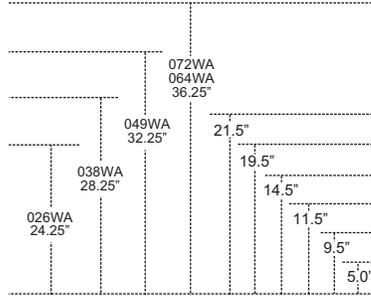
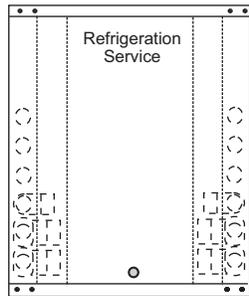
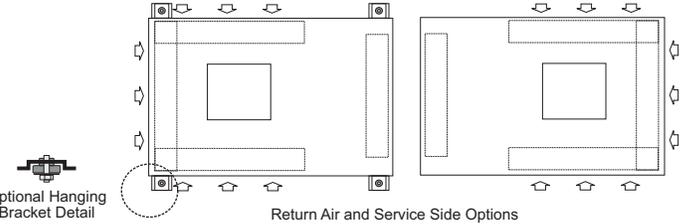
| Available Options |
|--|
| All Pumps can be Built-in, pre-wired, pre-fused & pre-controlled |
| Partial Hot Water(s) c/w Internal Pump & High Limit Switch |
| Demand Hot Water(s) c/w Internal Pump |
| 10, 15, 20K / Hydronic back-up/emergency available |
| Flexible Orientation, air discharge, water connections |
| Diagnostic LED Function Light Array |
| K-Type ThermoProbes for simpler in field diagnostics |
| Automated First Stage or Manual Passive Cooling Built-in |
| Cupronickel and Double Wall Vented Coils for specialized apps. |

Geoflex Heat Pumps are designed within a modularized format to offer optimal configuration capabilities with consideration to efficiency, functionality, service & field adaptation opportunities.

Geoflex Systems are "fully run tested", prior to shipping! The Geoflex advanced line of Residential and Commercial Geothermal Heat Pumps have been 3rd party sample tested by ETL, as a part of the ARI certification program. Geoflex Geothermal

Notes:

- The following Discharge Air Options are available "Straight Through", "Bottom" or "Top"
- Optional Isolation Hanging Brackets are available
- 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.



| Geoflex Two Step Physical Data | | | | | |
|--------------------------------|-----------------|----------------------|-------------------------------|--------------------------------|----------------------------------|
| Model | Height (inches) | Filter Size (Inches) | Forced Air Only Weight (lbs.) | Forced Air & DHW Weight (lbs.) | Est. Base Shipping Weight (lbs.) |
| 26 | 48.5" | 25"X24" | 250 | 305 | 330 |
| 38 | 52.5" | 25"X28" | 280 | 340 | 365 |
| 49 | 56.5" | 25"X32" | 300 | 370 | 405 |
| 64 | 60.5" | 25"X36" | 330 | 410 | 445 |
| 72 | 60.5" | 25"X36" | 350 | 440 | 475 |

Notes: Footprint is 28.5" X 28.5" on systems, herein
Filter Rack for a 1" or 2" Filter is Optional
A 2" Pleated Filter is Recommended
Weights can vary, based on options
Units must be placed on Anti-vibration Pad
Add 30 lbs for desuperheater Option
Add 25 lbs for shipping weights

| Geoflex 410A Two Step Electrical Data | | | | | | | | | | | | |
|---------------------------------------|----------------|------------|-----|------|--------------|-------------------|---------------|----------------|------------------|---------------|-------------|------------|
| Model | Fan Motor Type | Compressor | | | HWG Pump FLA | Ext Loop Pump FLA | Fan Motor FLA | Total Unit FLA | Min Circuit Amps | Max Fuse/HACR | Supply Wire | |
| | | RLA | LRA | LRA* | | | | | | | Min AWG | Max Ft (M) |
| 26 | ECM | 10.2 | 52 | 18.2 | 0.4 | 0.9 | 3.9 | 15.4 | 17.5 | 25/30 | 10 | 83 (25.2) |
| | PSC | 10.2 | 52 | 18.2 | 0.4 | 0.9 | 2.5 | 14.0 | 15.9 | 25/30 | 10 | 88 (27.0) |
| 38 | ECM | 16.7 | 82 | 28.8 | 0.4 | 1.8 | 3.9 | 22.8 | 26.5 | 35/40 | 10 | 53 (16.1) |
| | PSC | 16.7 | 82 | 28.8 | 0.4 | 1.8 | 2.5 | 21.4 | 24.9 | 35/40 | 10 | 60 (18.2) |
| 49 | ECM | 21.1 | 96 | 33.7 | 0.4 | 1.8 | 3.9 | 27.2 | 31.7 | 40 | 8 | 69 (21.1) |
| | PSC | 21.2 | 96 | 33.7 | 0.4 | 1.8 | 3.6 | 27.0 | 31.5 | 40 | 8 | 72 (22.0) |
| 64 | ECM | 25.6 | 118 | 41.4 | 0.4 | 1.8 | 6.9 | 34.7 | 40.6 | 50 | 6 | 58 (17.6) |
| | PSC | 25.6 | 118 | 41.4 | 0.4 | 1.8 | 4.6 | 32.4 | 37.9 | 50 | 6 | 63 (19.1) |
| 72 | ECM | 27.2 | 150 | 52.6 | 0.4 | 2.7 | 6.9 | 37.2 | 43.6 | 60 | 6 | 87 (26.4) |
| | PSC | 27.2 | 150 | 52.6 | 0.4 | 2.7 | 5.3 | 35.6 | 41.8 | 60 | 6 | 90 (27.6) |

Notes: Rated Voltage of 208-230/60/1 Min/Max Voltage of 197/254
HACR circuit breaker in USA only All fuses Class RK-5
LRA* with optional Secure Start installed (208-230/60/1) Wire length based on, 230V & one way 1.5% voltage drop
Wire size based on 60°C copper conductor & MCA

| Geoflex 410A Two Step Performance Data | | | | | | | | | | | | | | | | |
|--|----------------|----------------|----------------------|------------|---------------|-----|-------------------------------|------------|---------------|-----|-----------------------|------------|-----------------------|-----|------|------|
| Model | Fan Motor Type | Full/Part Cap. | Building Closed Loop | | | | Ground Open Well "Water" Loop | | | | Ground Closed Loop | | | | Flow | |
| | | | Cooling 86 F | | Heating 68F | | Cooling 59 F | | Heating 50F | | Cooling Full Load 77F | | Heating Part Load 41F | | | |
| | | | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | Capacity Btuh | EER Btuh/W | Capacity Btuh | COP | | |
| 26 | ECM | Full | 25,650 | 16.0 | 30,900 | 5.4 | 28,950 | 24.3 | 25,500 | 4.9 | 26,900 | 18.6 | 19,650 | 4.1 | 8 | 950 |
| | ECM | Part | 19,450 | 18.5 | 22,500 | 6.2 | 22,100 | 31.0 | 18,350 | 5.3 | 21,400 | 26.4 | 16,350 | 4.7 | 7 | 750 |
| | PSC | Full | 24,903 | 15.6 | 31,827 | 5.3 | 28,107 | 23.8 | 26,265 | 4.8 | 26,117 | 18.2 | 20,240 | 4.0 | 8 | 950 |
| | PSC | Part | 18,883 | 18.1 | 23,175 | 6.1 | 21,456 | 30.4 | 18,901 | 5.1 | 20,777 | 25.9 | 16,841 | 4.6 | 7 | 750 |
| 38 | ECM | Full | 37,600 | 16.4 | 43,500 | 5.4 | 40,300 | 23.6 | 35,750 | 4.9 | 39,200 | 19.2 | 28,000 | 4.1 | 9 | 1250 |
| | ECM | Part | 27,100 | 19.3 | 30,550 | 6.4 | 30,350 | 31.8 | 24,800 | 5.3 | 29,500 | 28.5 | 22,200 | 4.8 | 8 | 1050 |
| | PSC | Full | 36,505 | 16.1 | 44,805 | 5.3 | 39,126 | 23.1 | 36,823 | 4.8 | 38,058 | 18.8 | 28,840 | 4.0 | 9 | 1250 |
| | PSC | Part | 26,311 | 18.9 | 31,467 | 6.3 | 29,466 | 31.2 | 25,544 | 5.1 | 28,641 | 27.9 | 22,866 | 4.7 | 8 | 1050 |
| 49 | ECM | Full | 48,350 | 15.8 | 58,650 | 5.2 | 53,900 | 22.6 | 47,750 | 4.7 | 50,300 | 18.0 | 37,450 | 4.1 | 12 | 1550 |
| | ECM | Part | 36,000 | 18.1 | 43,100 | 6.2 | 39,250 | 28.5 | 34,700 | 5.2 | 39,150 | 25.0 | 31,100 | 4.7 | 11 | 1300 |
| | PSC | Full | 46,942 | 15.4 | 60,410 | 5.0 | 52,330 | 22.2 | 49,183 | 4.6 | 48,835 | 17.6 | 38,574 | 4.0 | 12 | 1550 |
| | PSC | Part | 34,951 | 17.7 | 44,393 | 6.0 | 38,107 | 27.9 | 35,741 | 5.0 | 38,010 | 24.5 | 32,033 | 4.6 | 11 | 1300 |
| 64 | ECM | Full | 63,000 | 15.6 | 72,400 | 5.1 | 69,650 | 22.4 | 58,200 | 4.5 | 66,200 | 17.8 | 46,900 | 3.9 | 16 | 1900 |
| | ECM | Part | 45,950 | 17.9 | 51,300 | 5.8 | 51,700 | 29.5 | 40,700 | 4.8 | 50,450 | 25.5 | 36,750 | 4.3 | 14 | 1600 |
| | PSC | Full | 61,165 | 15.3 | 74,572 | 5.0 | 67,621 | 21.9 | 59,946 | 4.4 | 64,272 | 17.4 | 48,307 | 3.8 | 16 | 1900 |
| | PSC | Part | 44,612 | 17.5 | 52,839 | 5.6 | 50,194 | 28.9 | 41,921 | 4.7 | 48,981 | 25.0 | 37,853 | 4.2 | 14 | 1600 |
| 72 | ECM | Full | 69,850 | 14.6 | 87,650 | 5.0 | 78,500 | 21.1 | 69,050 | 4.4 | 72,600 | 17.2 | 54,100 | 3.7 | 18 | 2050 |
| | ECM | Part | 53,400 | 16.3 | 64,300 | 5.3 | 61,000 | 25.3 | 51,350 | 4.5 | 58,250 | 22.3 | 45,200 | 4.1 | 16 | 1700 |
| | PSC | Full | 67,816 | 14.3 | 90,280 | 4.9 | 76,214 | 22.0 | 71,122 | 4.3 | 70,485 | 17.1 | 55,723 | 3.6 | 18 | 2050 |
| | PSC | Part | 51,845 | 16.0 | 66,229 | 5.1 | 59,223 | 24.8 | 52,891 | 4.4 | 56,553 | 21.8 | 46,556 | 4.0 | 16 | 1700 |

NOTES: Heating capacities based upon 68°F DB, 59°F WB entering air temperature
Cooling capacities based upon 80.6°F DB, 66.2°F WB entering air temperature
Ground Loop Heat Pump ratings based on 15% antifreeze solution
All ratings based upon operation at lower voltage of dual voltage rated models