Technical Specifications

Geoflex Two Stage Dehumidification System
Model 064 - 410A - Top Discharge

Blower High Speed CFM & SP

ESP	0.3	0.5	.75	1.0
CFM	2,160	2,000	1,903	1,835

Standard Pool Heat Recovery Option

Model	GPM	FOH	PSIG	MBH	EWT
DWV-1.0	2	2.1	0.9	12	80
DWV-1.5	3	5.3	2.3	18	80

Available Cabinet Types

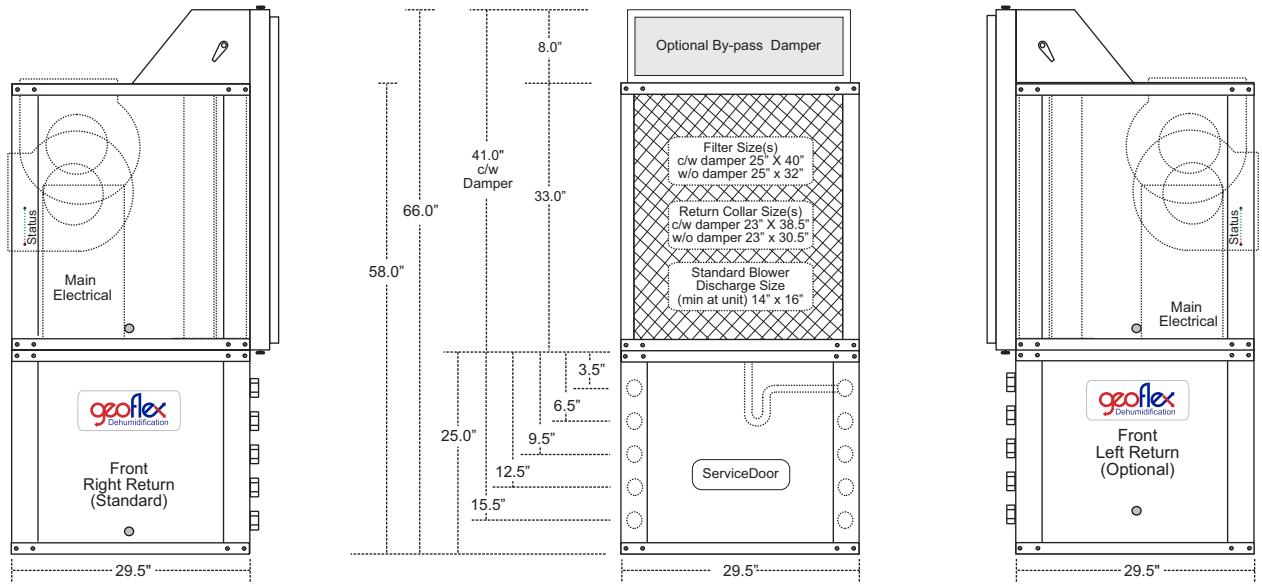
Model	Cabinet Types	Footprint		Height without Damper	Height c/w 8" Damper
		Width	Depth		
064	Standard Vertical	29.5"	29.5"	58.0"	66.0"
064	*Larger Vertical	29.5"	44.25"	58.0"	66.0"
064	Standard Horizontal	29.5"	59.0"	33.0"	41.0"
064	**Compact Horizontal	29.5"	44.25"	33.0"	41.0"

* Larger cabinets are used to accommodate much higher than standard CFM
** Units with some features, eg., the geothermal option, demand a larger footprint

NOTE: Weights and measures can vary, depending on selected configuration and options!

Elements	
Description	Type
Refrigerant	R410A
Refrigerant Charge (Superheat Supercedes)	Min 10 F Superheat
Base Unit	6.1 lbs. (est)
Base Unit c/w Ext. DX Condenser	9.6 lbs. (est)
Internal 100% Air Reheat Condensor	DX (Direct Expansion)
Compressor	Scroll
Standard Blower	Direct Drive (PSC or ECM)
Air Coil Coating	Baked Acrylic 3 Stage Process
Condensate Pan	SuperGaurd Coated
Optional Pool Reheat Condensor	Co-axial (DWV, C/N)
Optional Water Condensor	Co-axial or Brazed Plate
Base Weight	494 lbs. (est)
Ship Weight	524 lbs. (est)
Crated Weight	584 lbs. (est)

Standard Two Stage Features	
Highest Efficiency	Two Stage systems automatically adjust capacity based on occupied and unoccupied loads, offerring highest operating efficiency
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 Seperator Plate is used between the Air and Refrigeration Section
Service & Maintenance	Service Doors Surround System
Refrigeration Section	An Internal Negative Pressure Port is incoprorated 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
Condensate Sensor	Electronic Condensate Pan Overflow Sensor is included in all Dehumification 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
Feild Adaption	All Systems are designed to offer maximum field adaptability



Two Step Dehumidification Performance Data																
Model	Fan Motor Type	Cap	Air Temp °F	50% RH				55% RH				60% RH				Flow
				Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Indoor Air CFM
064	PSC	Full	80	15.5	33,045	49,708	60,542	17.1	32,562	51,588	62,412	20.5	32,084	53,415	64,231	2,000
	PSC	Part	80	12.2	26,156	39,020	47,270	13.4	25,722	40,453	48,720	16.1	25,292	41,841	50,126	1,700
	PSC	Full	82	16.6	32,785	49,668	60,767	19.9	31,596	50,658	61,734	21.7	30,667	51,847	62,905	2,000
	PSC	Part	82	13.0	25,900	38,963	47,457	15.6	24,828	39,631	48,167	17.0	23,988	40,467	49,036	1,700
	PSC	Full	84	20.2	31,576	48,498	59,851	24.2	30,535	49,615	60,947	26.5	29,518	50,639	61,950	2,000
	PSC	Part	84	15.8	24,781	37,930	46,708	19.0	23,837	38,699	47,514	20.7	22,913	39,385	48,235	1,700

Two Stage, 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 60°C	Max Ft (M)
064	A	208-230/60	197/254	28.8	152.9	53.6	1	5.3		34.1	41.0	70	4	125 (38.1)
	C	208-230/60	197/254	16.2	110.0	-	1	4.4		20.6	24.7	40	8	155 (47.3)
	D	460/60/3	414/506	7.6	52.0	-	1	2.2		9.8	11.8	20	12	260 (79.3)
	E	575/60/3	518/633	7.6	52.0	-	1	1.6		9.2	11.1	20	12	344 (104.9)

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 & minumum circuit ampacity
In some caeses local & national electrical codes will superceed fuse & wire size information as supplied herein, which must take precedent.

www.geoflexsystems.com

Energy Transfer Systems
Residential, Commercial, Industrial

GF-DH-TS-TD-064-R410A-10-23-17-24-CUD

Plant Office:
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Phone: 519.488.1653 Fax: 519.913.1259
Email: plant@geoflexsystems.com

Technical Specifications

Geoflex Two Stage Dehumidification System
Model 064 - 410A - Bottom Discharge

Blower High Speed CFM & SP

ESP	0.3	0.5	.75	1.0
CFM	2,160	2,000	1,903	1,835

Standard Pool Heat Recovery Option

Model	GPM	FOH	PSIG	MBH	EWT
DWV-1.0	2	2.1	0.9	12	80
DWV-1.5	3	5.3	2.3	18	80

Available Cabinet Types

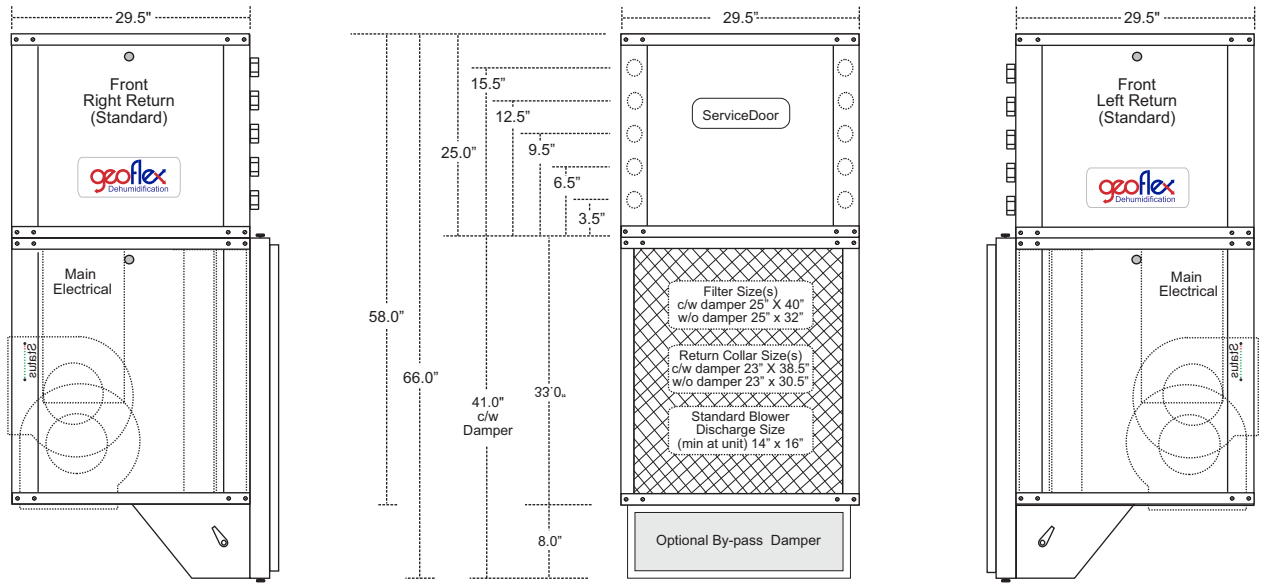
Model	Cabinet Types	Footprint		Height without Damper	Height c/w 8" Damper
		Width	Depth		
064	Standard Vertical	29.5"	29.5"	58.0"	66.0"
064	*Larger Vertical	29.5"	44.25"	58.0"	66.0"
064	Standard Horizontal	29.5"	59.0"	33.0"	41.0"
064	**Compact Horizontal	29.5"	44.25"	33.0"	41.0"

* Larger cabinets are used to accommodate much higher than standard CFM
** Units with some features, eg., the geothermal option, demand a larger footprint

NOTE: Weights and measures can vary, depending on selected configuration and options!

Elements	
Description	Type
Refrigerant	R410A
Refrigerant Charge (Superheat Supercedes)	Min 10 F Superheat
Base Unit	6.1 lbs. (est)
Base Unit c/w Ext. DX Condenser	9.6 lbs. (est)
Internal 100% Air Reheat Condensor	DX (Direct Expansion)
Compressor	Scroll
Standard Blower	Direct Drive (PSC or ECM)
Air Coil Coating	Baked Acrylic 3 Stage Process
Condensate Pan	SuperGaurd Coated
Optional Pool Reheat Condensor	Co-axial (DWV, C/N)
Optional Water Condensor	Co-axial or Brazed Plate
Base Weight	494 lbs. (est)
Ship Weight	524 lbs. (est)
Crated Weight	584 lbs. (est)

Standard Two Stage Features	
Highest Efficiency	Two Stage systems automatically adjust capacity based on occupied and unoccupied loads, offerring highest operating efficiency
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 Seperator Plate is used between the Air and Refrigeration Section
Service & Maintenance	Service Doors Surround System
Refrigeration Section	An Internal Negative Pressure Port is incoprorated 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
Condensate Sensor	Electronic Condensate Pan Overflow Sensor is included in all Dehumification 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
Feild Adaption	All Systems are designed to offer maximum field adaptability



Two Step Dehumidification Performance Data																
Model	Fan Motor Type	Cap	Air Temp °F	50% RH				55% RH				60% RH				Flow
				Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Moisture Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Indoor Air CFM
064	PSC	Full	80	15.5	33,045	49,708	60,542	17.1	32,562	51,588	62,412	20.5	32,084	53,415	64,231	2,000
	PSC	Part	80	12.2	26,156	39,020	47,270	13.4	25,722	40,453	48,720	16.1	25,292	41,841	50,126	1,700
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	PSC	Part	84	15.8	24,781	37,930	46,708	19.0	23,837	38,699	47,514	20.7	22,913	39,385	48,235	1,700

Two Stage, 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 60°C	Max Ft (M)
064	A	208-230/60	197/254	28.8	152.9	53.6	1	5.3		34.1	41.0	70	4	125 (38.1)
	C	208-230/60	3197/254	16.2	110.0	-	1	4.4		20.6	24.7	40	8	155 (47.3)
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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
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www.geoflexsystems.com

Energy Transfer Systems
Residential, Commercial, Industrial

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Technical Specifications

Geoflex Two Stage Dehumidification System
Model 064 - 410A - Horizontal

Blower High Speed CFM & SP

ESP	0.3	0.5	.75	1.0
CFM	2,160	2,000	1,903	1,835

Standard Pool Heat Recovery Option

Model	GPM	FOH	PSIG	MBH	EWT
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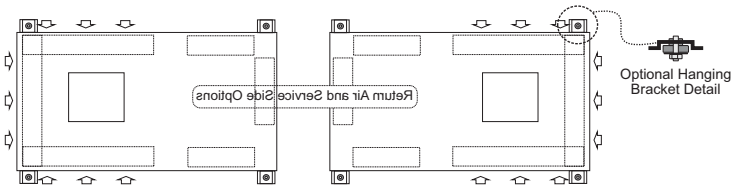
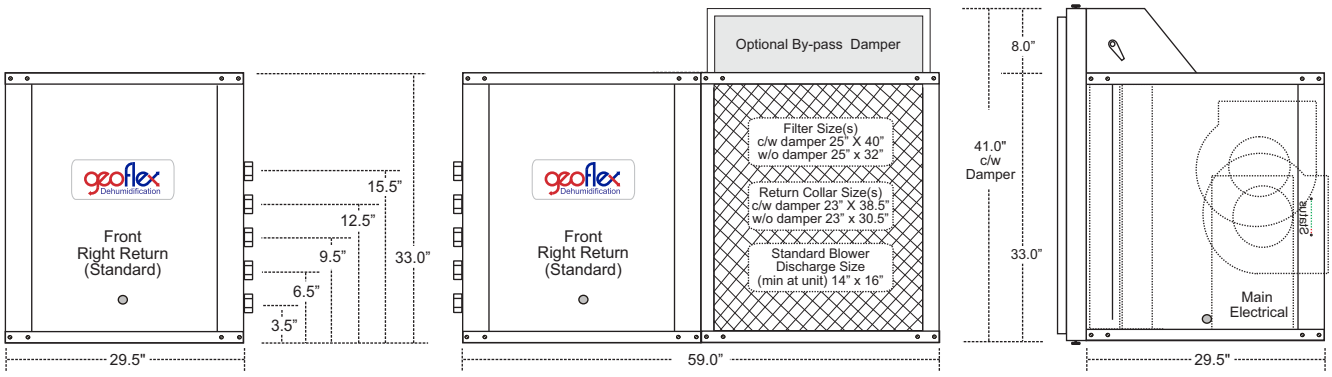


Notes: As Geoflex offers a wide variety of features, configurations and options, weights and measures can vary, depending on options!

The main electrical box positioning can vary, depending on features, options and field requirements.



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