

Technical Specifications

Geoflex Two Stage Dehumidification System

Model 038 - 410A - Top Discharge

Blower CFM & HP

ESP	0.3	0.6	0.1
CFM	1,275	1,125	1,000

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

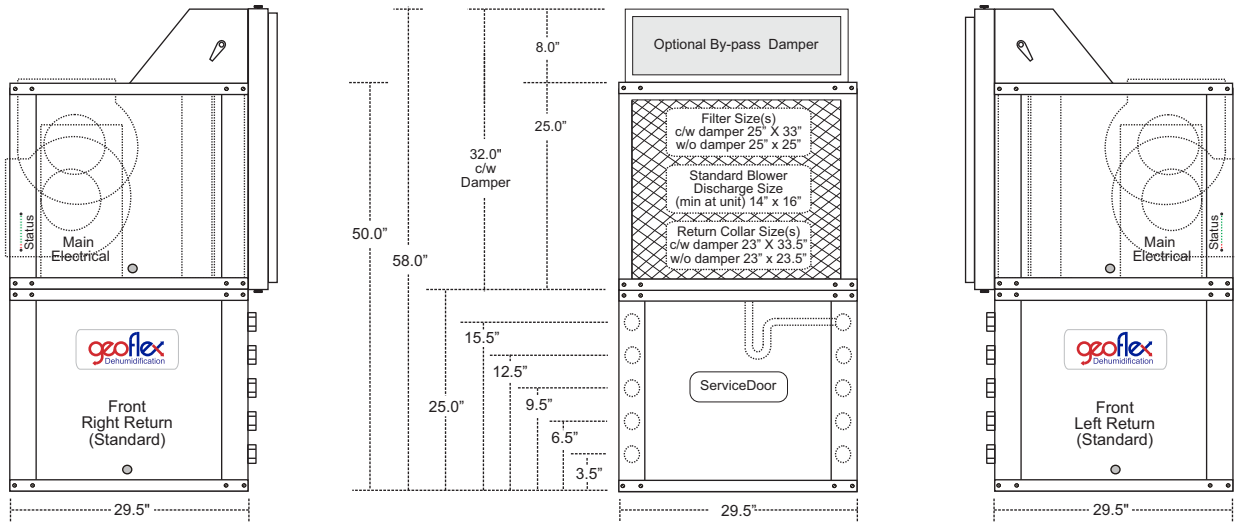
Model	Cabinet Types	Footprint		Height without Damper	Height c/w 8" Opening Damper
		Width	Depth		
038	Standard Vertical	28.5"	28.5"	46.5"	55.5"
038	* Larger Vertical	28.5"	42.5"	46.5"	55.5"
038	Standard Horizontal	28.5"	57.5"	26.5"	35.5"
038	** Compact Horizontal	28.5"	42.5"	26.5"	35.5"

* Larger cabinets are used to accommodate 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 Supercooled)	Min 10 F Superheat
Base Unit	3.5 lbs. (est)
Base Unit c/w Ext. DX Condenser	5.5 lbs. (est)
Internal 100% Air Reheat Condenser	DX (Direct Expansion)
Compressor	Scroll
Standard Blower	Direct Drive (PSC or ECM)
Air Coil Coating	Baked Acrylic 3 Stage Process
Condensate Pan	SuperGuard Coated
Optional Pool Reheat Condenser	Co-axial (DWV, C/N)
Optional Water Condenser	Co-axial or Brazed Plate
Base Unit Weight	380 lbs. (est)
Shipping Weight	440 lbs. (est)

Standard Two Stage Features	
Highest Efficiency	Two Stage systems automatically adjust capacity based on occupied and unoccupied loads, offering 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 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



Two Step Dehumidification Performance Data																
Model	Fan Motor Type	Cap	Air Temp °F	50% RH				55% RH				60% RH				Flow Indoor Air CFM
				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	
038	PSC	Full	80	9.7	20,542	31,050	37,935	10.7	20,236	32,221	39,103	12.8	19,933	33,360	40,239	1,200
	PSC	Part	80	6.8	14,481	21,847	26,658	7.5	14,244	22,657	27,478	9.0	14,009	23,443	28,274	1,000
	PSC	Full	82	10.3	20,367	31,022	38,085	12.4	19,613	31,634	38,688	13.5	19,024	32,370	39,417	1,200
	PSC	Part	82	7.3	14,333	21,815	26,769	8.7	13,747	22,208	27,187	9.5	13,287	22,692	27,691	1,000
	PSC	Full	84	12.6	19,588	30,281	37,520	15.1	18,926	30,971	38,202	16.5	18,280	31,601	38,824	1,200
PSC	Part	84	8.9	13,712	21,251	26,372	10.6	13,196	21,699	26,842	11.6	12,690	22,101	27,265	1,000	

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)		
038	A	208-230/60/1	197/254	15.3	83.0	29.1	0.5	3.8	19.1	22.9	35	8	145	(44.2)	
	C	208-230/60/3	197/254	11.6	73.0	-	0.5	2.8	14.4	17.3	30	10	145	(44.2)	
	D	460/60/3	414/506	5.7	38.0	-	0.5	1.3	7.0	8.4	15	14	235	(71.7)	
	E	575/60/3	518/633	5.7	38.0	-	0.5	1.0	6.7	8.0	15	14	305	(93.0)	

Notes: LRA* estimated with optional "Secure Start" installed (208-230/60/1)
 HACR circuit breaker in USA only All fuses Class RK-5
 In some cases local & national electrical codes will supercede fuse & wire size information as supplied herein, which must take precedent.

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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www.geoflexsystems.com

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Technical Specifications

Geoflex Two Stage Dehumidification System

Model 038 - 410A - Bottom Discharge

Blower CFM & HP

ESP	0.3	0.6	0.1
CFM	1,275	1,125	1,000

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

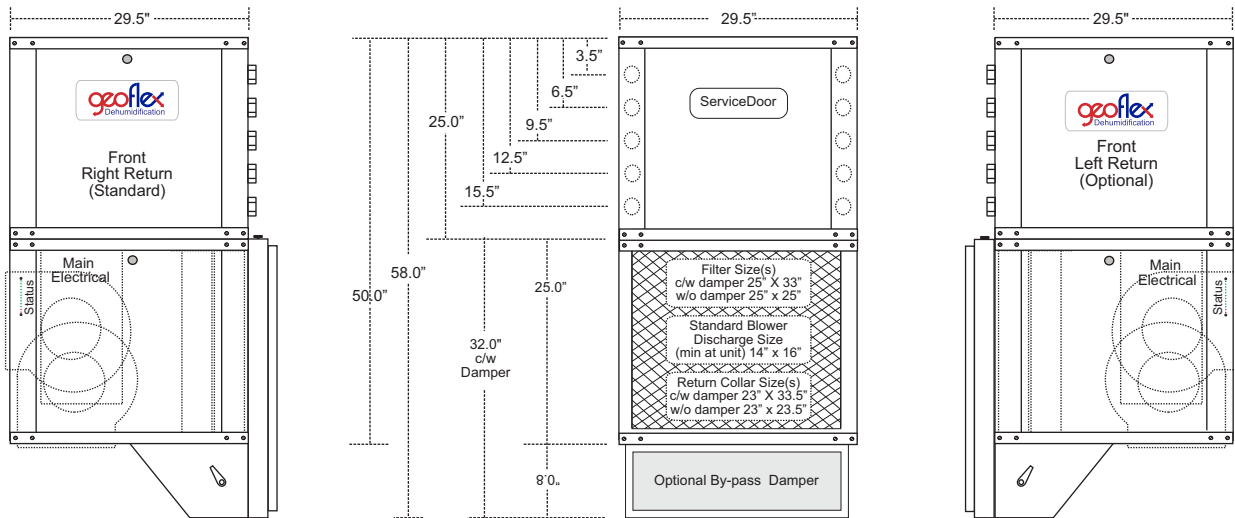
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		Width	Depth		
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038	Standard Horizontal	28.5"	57.5"	26.5"	35.5"
038	** Compact Horizontal	28.5"	42.5"	26.5"	35.5"

* Larger cabinets are used to accommodate 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 Supercooled)	Min 10 F Superheat
Base Unit	3.5 lbs. (est)
Base Unit c/w Ext. DX Condenser	5.5 lbs. (est)
Internal 100% Air Reheat Condenser	DX (Direct Expansion)
Compressor	Scroll
Standard Blower	Direct Drive (PSC or ECM)
Air Coil Coating	Baked Acrylic 3 Stage Process
Condensate Pan	SuperGuard Coated
Optional Pool Reheat Condenser	Co-axial (DWV, C/N)
Optional Water Condenser	Co-axial or Brazed Plate
Base Unit Weight	380 lbs. (est)
Shipping Weight	440 lbs. (est)

Standard Two Stage Features	
Highest Efficiency	Two Stage systems automatically adjust capacity based on occupied and unoccupied loads, offering 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 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



Two Step Dehumidification Performance Data																
Model	Fan Motor Type	Cap	Air Temp °F	50% RH				55% RH				60% RH				Flow Indoor Air CFM
				Mositure Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Mositure Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	Mositure Removal lbs/hr	Sensible Cooling Btuh	Total Capacity Btuh	Heat of Rejection Btuh	
				038	PSC	Full	80	9.7	20,542	31,050	37,935	10.7	20,236	32,221	39,103	
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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)	
038	A	208-230/60/1	197/254	15.3	83.0	29.1	0.5	3.8	19.1	22.9	35	8	145	(44.2)
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	D	460/60/3	414/506	5.7	38.0	-	0.5	1.3	7.0	8.4	15	14	235	(71.7)
	E	575/60/3	518/633	5.7	38.0	-	0.5	1.0	6.7	8.0	15	14	305	(93.0)

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

Geoflex Two Stage Dehumidification System

Model 038 - 410A - Horizontal

Blower CFM & HP

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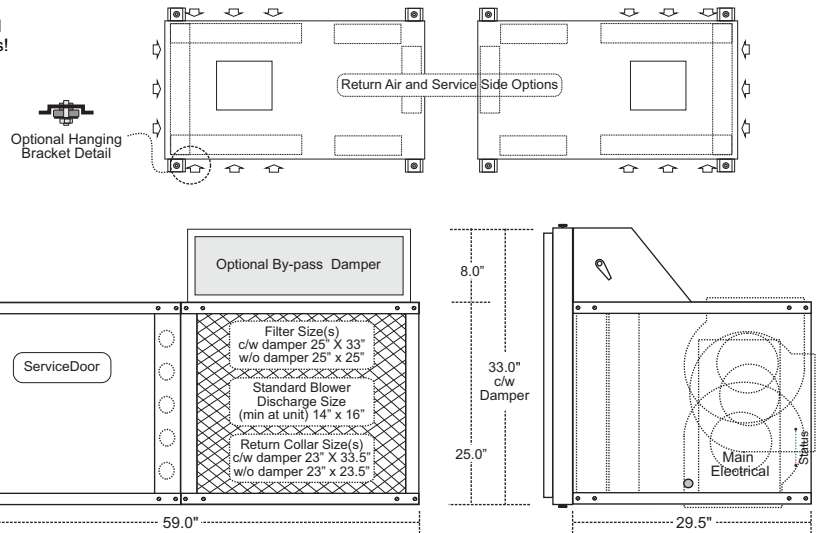
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NOTE: Weights and measures can vary, depending on selected configuration and options!

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.

Elements	
Description	Type
Refrigerant	R410A
Refrigerant Charge (Superheat Supercooled)	Min 10 F Superheat
Base Unit	3.5 lbs. (est)
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