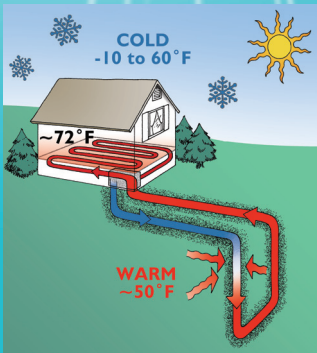




Solar Hydronic



Geothermal



Tankless Hot Water



Radiantmax Floor Heating



- Flexible, modularized design
- Stackable for space conservation
- Superior efficiency
- Environmental with R-410A

The wide range of operating temperatures, compact size, reversible control box and piping enable the Cascade Series Hydronic Heat Pumps to be used in a variety of applications. These include pool/spa heating, radiant floor, snow melt, aquaculture, and process water installations. Cascade Series hydronic geothermal units can be used for heating only, cooling only (field converted for chilled water applications), or heating & cooling together. A sophisticated microprocessor controls the pumps and compressor by sampling the entering water temperature. The controller enables the user to view all modes of operation and easily adjust temperatures. All fault conditions are monitored by the controller to ensure safe, reliable operation. The Cascade unit cabinet is fabricated from heavy-gauge steel and finished with a corrosion-resistant polyester coating to provide years of durability and beauty. Scroll compressors, R-410A refrigerant, and oversized heat exchangers combine to provide the user with exceptional energy savings.

800-572-7831
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Ground Source: Closed Loop							COOLING					
Model	SOURCE		HEATING LOAD		BTU/hr	COP	SOURCE		LOAD		BTU/hr	EER
	EWT °F	GPM	EWT °F	GPM			EWT °F	GPM				
020	30	6.0	100	6.0	21,900	3.0	Cooling Not Available					
	30	9.0	100	9.0	23,000	3.09	Cooling Not Available					
030	30	8.0	100	8.0	28,000	3.06	80	8.0	50	8.0	27,400	12.6
	30	12.0	100	12.0	29,500	3.15	80	12.0	50	12.0	29,100	13.4
042	30	11.0	100	11.0	43,700	3.07	80	11.0	50	11.0	42,800	12.6
	30	16.5	100	16.5	45,900	3.17	80	16.5	50	16.5	45,400	13.4
060	30	14.0	100	14.0	58,300	3.0	80	14.0	50	14.0	56,500	12.2
	30	21.0	100	21.0	61,300	3.0	80	21.0	50	21.0	59,900	13.0

Ground Water Source: Open Loop		HEATING 100° FEWT Load		HEATING 50° FEWT Source		COOLING 50° FEWT Load		COOLING 50° FEWT Source	
Model	GPM	GPM	GPM	BTU/hr	COP	GPM	GPM	BTU/hr	EER
020	9	9	3	27,200	3.67				
030	12	12	4	36,700	4.0	12	4	41,600	28.2
042	16.5	16.5	5.5	57,300	4.0	16.5	5.5	64,900	28.2
060	21	21	7	75,800	4.0	21	7.0	85,600	27.3

Specifications		DIMENSIONS (inches)		
Model	Refrigerant	Length	Height	Width
020	R-410A	25.5	26.3	18.0
030	R-410A	32.5	26.3	22.0
042	R-410A	32.5	26.3	22.0
060	R-410A	32.5	26.3	22.0

Notes: Hydronic units are not classified under ARI: 50°F EST with 100°F ELT (heat) and 70°F ELT (cool) shown



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Represented by:



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