



World Class Geothermal Heat Pumps

**Water to Air
Geothermal Heat Pump**



The Q Water to Air Packaged System



Q Control System offers real-time monitoring and system control, and is Wi-Fi equipped.



Q Energy Systems evap coils finished with e-coat to combat formicary corrosion.



Desuperheater Pump from Grundfos



Coax heat exchangers and desuperheater coils from Packless Industries are designed to deliver 8% - 10% better transfer.



Emerson Series 5 ZPS compressors designed to increase efficiencies by 5% to 10%.

At Q Energy Systems
“Quality is not an act, it is a habit”

The Q Water to Air Packaged System



- Q Energy Control system is custom designed to operate the "Q" at peak performance all the time. Real-time monitoring of systems critical components. Wi-Fi equipped.
- Coax Heat Exchangers from Packless Industries. Designed to deliver 8-10% better transfer.
- Emerson ZPS Series 5, 2-Stage Scroll compressors (R-410a) designed to increase efficiencies by 5% to 10%.
- Emerson Secure Start is available. It lowers the amp draw on start up and extends compressor and component life.
- Nidec Selectech Blowers with 24V speed taps for safety and confident control · fully programed with the correct torque & CFM setting to accurately match tonnage.
- Internal Plenum designed to ensure air flow starts correctly with proper static pressure, this is unique to the "Q".
- Q Energy Systems geothermal heat pumps are offered in sizes ranging from 2 to 6 tons.
- Left or right return configuration (must specify when ordering).
- Desuperheater is available equipment on the "Q".
- Built standard with heavy gauge .125 aluminum cabinet.
- All side panels are removable using quarter turn fasteners that stay in the panel.
- 10 Years Bumper to Bumper Parts and Labor Warranty is standard and included with every "Q".
- Lifetime Cabinet Warranty.
- 100% Satisfaction Guaranteed, if for any reason you are unhappy with the "Q" during the first 5 years, we will either replace the equipment or give you your money back.

The Q Water to Air Packaged System

2-Ton Water to Air - Performance Data Summary (part load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
18,830	17.83	20,683	4.99	20,931	29.32	18,183	4.50	19,135	20.73	16,631	4.26

2-Ton Water to Air - Performance Data Summary (full load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
25,415	15.51	29,915	4.91	28,251	22.78	24,513	4.41	26,360	17.5	19,112	3.81

3-Ton Water to Air - Performance Data Summary (part load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
24,085	17.52	26,396	5.07	26,606	27.29	23,204	4.49	24,925	20.08	21,608	4.19

3-Ton Water to Air - Performance Data Summary (full load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
35,586	14.29	49,605	4.85	41,590	20.84	36,105	4.40	36,827	16.17	28,095	3.86

4-Ton Water to Air - Performance Data Summary (part load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
36,064	17.85	38,193	5.17	41,187	26.54	24,558	4.62	39,312	22.69	30,539	4.12

4-Ton Water to Air - Performance Data Summary (full load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
48,281	15.15	52,124	4.98	59,074	20.87	46,463	4.22	49,982	16.88	37,081	3.70

The Q Water to Air Packaged System

5-Ton Water to Air - Performance Data Summary (part load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
41,946	17.34	47,845	4.98	47,732	25.98	41,754	4.42	44,758	22.57	38,151	4.12

5-Ton Water to Air - Performance Data Summary (full load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
59,025	12.87	72,815	4.31	66,985	18.52	61,197	4.02	60,384	14.97	49,051	3.48

6-Ton Water to Air - Performance Data Summary (part load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
51,523	16.98	55,011	4.35	56,989	25.98	48,500	3.98	53,954	22.07	44,312	3.87

6-Ton Water to Air - Performance Data Summary (full load)

Water Loop (closed)				Ground Water (open)				Ground Loop (closed)			
Cooling		Heating		Cooling		Heating		Cooling		Heating	
Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
71,386	14.20	81,301	4.32	76,310	19.12	66,978	3.91	71,154	15.20	52,874	3.14



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- Lifetime Cabinet Warranty.
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