

Product Comparison

Water-to-water units



Water-to-water units are perfect for domestic hot water, radiant floor applications, pool/spa heating*, fan coils, ice melt, and more. GeoStar geothermal offers three different water-to-water units for versatility in any application so homeowners can enjoy the comfort and efficiency of hydronic heating.






	Aston Single Hydronic Perfect for 100% domestic hot water or radiant in-floor heating.	Aston Single Hydronic with OptiHeat Uses OptiHeat vapor injection technology to reach higher temperature output than other water-to-water systems.	Aston Dual Hydronic Perfect for high volume hot water typically found in large and luxury homes.
Sizes	3 thru 5 ton (3 sizes)	3 thru 6 ton (3 sizes)	8 thru 15 ton (4 sizes)
Efficiency Closed earth loop	2.9 - 3.1 COP 14.0 - 17.5 EER	3.2 - 3.3 COP 16.1 EER	3.3 - 3.5 COP 18.4 - 22.0 EER (partial load) 2.7 - 3.0 COP 15.8 - 16.8 EER (full load)
Compressor	Scroll	Vapor Injection Scroll	Scroll
Stages	1 Heat, 1 Cool	1 Heat, 1 Cool	2 Heat, 2 Cool
Zone Control	HydroLogic	HydroLogic	HydroLogic
Cabinet Configurations	Compact unit. Front or rear plumbing connections. Field switchable control box.	Compact unit. Front or rear plumbing connections. Field switchable control box.	Compact unit Top & Back mounted water connections. Field switchable control box

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Sycamore, Aston and Magnolia Plus



	Aston Single Hydronic	Aston Single Hydronic with OptiHeat	Aston Dual Hydronic
Control	<p>Aurora Base Controller</p> <p>Optional Aurora Advanced Controller with energy monitoring</p> <p>Optional performance monitoring</p> <p>Optional refrigeration monitoring</p> <p>Aurora Interface Diagnostic (AID) Tool</p> <p>Onboard diagnostics</p>	<p>Aurora Advanced Controls with energy monitoring</p> <p>Aurora Interface Diagnostic (AID) Tool</p> <p>Onboard diagnostics</p>	<p>FX10 Standard</p> <p>Open N2, Lonworks, BacNet Communication optional</p>
Hot Water Generator	<p>Optional Internal mount pump</p> <p>Not available on 1.5 & 2 ton</p>	Not Applicable	Not Applicable
Refrigerant	R-410A	R-410A	R134a
Warranty	<p>1 Year Parts Only</p> <p>5 year parts, 5 year labor allowance on refrigeration components, 2 year parts, 2 year labor allowance on all other parts and accessories available for buy-up</p> <p>10 year parts, 10 year labor allowance on internal parts, 5 year parts, 5 year labor allowance on accessories available for buy-up</p>	<p>1 Year Parts Only</p> <p>5 year parts, 5 year labor allowance on refrigeration components, 2 year parts, 2 year labor allowance on all other parts and accessories available for buy-up</p> <p>10 year parts, 10 year labor allowance on internal parts, 5 year parts, 5 year labor allowance on accessories available for buy-up</p>	<p>1 Year Parts Only</p> <p>5 year parts, 5 year labor allowance on refrigeration components, 2 year parts, 2 year labor allowance on all other parts and accessories available for buy-up</p> <p>10 year parts, 10 year labor allowance on internal parts, 5 year parts, 5 year labor allowance on accessories available for buy-up</p>
ENERGY STAR Rated	 Yes All sizes except the 075	 Yes All sizes	 10 and 12 ton models

*Secondary heat exchanger is needed for pool/spa heating.