

# 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. WaterFurnace offers four different water-to-water units for versatility in any application so homeowners can enjoy the comfort and efficiency of hydronic heating.



| Model   | 5 Series 500W11   | 5 Series 504W11  | Envision NDW   |   |
|---|---|--|--|---|
| <b>Applications</b>   | Perfect for 100% domestic hot water or radiant in-floor heating.  | Uses OptiHeat vapor injection technology to reach higher temperature output than other water-to-water systems.   | Perfect for high volume hot water typically found in large and luxury homes.   |   |
| <b>Sizes</b>  | 1.5 thru 6 ton (6 sizes)  | 3 thru 6 ton (3 sizes)   | 8 thru 15 ton (4 sizes)  |   |
| <b>Efficiency</b><br>AHRI 13256-1 (GLHP)<br>Closed loop     | 2.9 - 3.1 COP<br>14.0 - 17.5 EER  | 3.2 - 3.3 COP<br>16.1 EER  | 3.3 - 3.5 COP<br>18.4 - 22.0 EER<br>(partial load)   | 2.7 - 3.0 COP<br>15.8 - 16.8 EER<br>(full load) |
| <b>Refrigerant</b>  | R-410A  | R-410A   | R-410A   |   |
| <b>Compressor</b>   | Scroll  | Vapor Injection Scroll   | Scroll   |   |
| <b>Blower</b>   | Premium Variable speed ECM<br>Oversized ECM (036 model only)  | Variable speed ECM or 5-Speed ECM, Optional PSC in single speed units  | 5-speed ECM  |   |
| <b>Cabinet Configurations</b>                               | Compact unit<br>Front or rear plumbing connections<br>Controls are field convertible from front to back   | Compact unit<br>Front or rear plumbing connections<br>Controls are field convertible from front to back  | Compact unit<br>Top & Back mounted water connections<br>Controls have a factory installed option for front or back   |   |
| <b>Stages</b>   | 1 Heat, 1 Cool  | 1 Heat, 1 Cool   | 2 Heat, 2 Cool   |   |
| <b>Controls</b>   | Aurora Base Controller<br>Optional Aurora Advanced Controller with energy monitoring<br>Optional performance monitoring<br>Optional refrigeration monitoring<br>Aurora Interface Diagnostic (AID) Tool<br>Onboard diagnostics | Aurora Advanced Controls with energy monitoring<br>Aurora Interface Diagnostic (AID) Tool<br>Onboard diagnostics<br>Optional performance monitoring<br>Optional refrigeration monitoring               | Aurora Advanced Controls with energy and refrigeration monitoring<br>Optional performance monitoring with field installed flowmeter<br>Aurora Interface Diagnostic (AID) Tool<br>Onboard diagnostics   |   |
| <b>Hot Water Generator</b>                                  | Optional externally mounted pump<br>Not available on 1.5 & 2 ton  | Not Applicable   | Not Applicable   |   |
| <b>Warranty</b>   | 10 year parts, 5 year labor allowance on internal parts<br>5 year parts, 5 year labor allowance on accessories<br><b>10 year parts, 10 year labor allowance on internal parts available for buy-up</b>                        | 10 year parts, 5 year labor allowance on internal parts<br>5 year parts, 5 year labor allowance on accessories<br><b>10 year parts, 10 year labor allowance on internal parts available for buy-up</b> | 10 year parts, 5 year labor allowance on internal parts<br>5 year parts, 5 year labor allowance on accessories<br><b>10 year parts, 10 year labor allowance on internal parts available for buy-up</b> |   |
| <b>ENERGY STAR Rated</b><br>Closed earth loop rating points | Yes<br>All sizes except the 075   | Yes<br>All sizes   | Yes<br>10 and 12 ton models  |   |

1. Secondary heat exchanger is needed for domestic hot water and pool/spa heating.