



# 502W12



## 502W12

Our solution to boiler replacement, the 502W12 is a hydronic heat pump with an exiting water temperature of 150°F. Typically, water source heat pumps are limited to producing temperatures around 130°F which can make it difficult to retrofit an existing home that uses hot water as its heat source. The 502W12 achieves high efficiency while delivering hot water by utilizing low-pressure

R-134a refrigerant combined with high efficiency scroll compressors, brazed plate heat exchangers, and the most reliable thermal expansion valves in the industry. Perfect for baseboard radiator systems, underfloor radiant applications, overfloor radiant applications, and fan coils, the 502W12 makes geothermal boiler replacement a reality.

# Features and Benefits

## GeoTank™

The WaterFurnace GeoTank is simply the best way to capture free preheated water from your unit.



## Heat Exchangers

Two brazed plate heat exchangers provide increased efficiency, performance, and reliability. Because they're much smaller than traditional coaxial exchangers, they allow the 502W12 to provide high capacity performance in a compact unit.

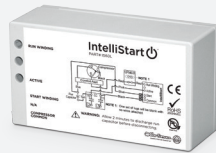


## Cabinet

The cabinet comes standard with a professional grade finish for long-lasting beauty and protection. The system is fully insulated for quiet operation with cleanable foil-backed insulation.

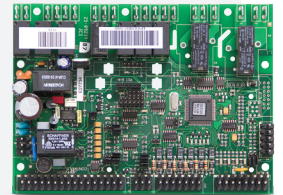
## IntelliStart™

This optional soft starter reduces start-up amperage by 60% of normal draw to reduce noise, eliminate light flicker, and increase compressor life.



## FX10 Control Board

Lead/lag compressor management, adjustable delayed start, advanced freeze sensing system, advanced fault detection and management, and alarm history reporting are major benefits of the 502W12's sophisticated control board.



## Discharge Mufflers

Controls compressor discharge gas pulsations for quiet operation.



## Compressor

Two high efficiency scroll compressors are utilized to keep operating costs low and will provide years of reliable, quiet operation.

## Air Handler

For homes with ductwork, the 502W12 is the perfect solution for central air conditioning or forced air heating when paired with our Envision Air Handler. Enjoy the benefits of radiant heat and conditioned air.



## ISO/AHRI 13256-1

Single Speed	Model & Size	Closed Loop		Open Loop	
		Cooling EER	Heating COP	Cooling EER	Heating COP
		084	Full Load	16.0	3.1
	Part Load	19.0	3.5	20.8	4.0

\*Qualifies for the 30% federal tax credit.

Dealer Version  
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