

# HWW Series

The Modular Water-to-Water (HWW) Series offers high efficiency and high capacity with advanced features, quiet operation and application flexibility at competitive prices. Century's Modular Water-to-Water Series can be used for radiant floor heating, snow/ice melt, chilled water for fan coils, industrial process control, potable hot water generation\*, hot/chilled water for make-up air, and many other types of HVAC and industrial applications that require cost effective heated or chilled water.

## ADVANTAGE OF THE WATER-TO-WATER HWW SERIES

- Copeland scroll compressor(s)
- Exclusive single side service access (front of unit) allows multiple units to be installed side-by-side for large capacity installations
- Exceeds ASHRAE 90.1 efficiencies
- Heavy gauge galvanized steel construction with polyester powder coat paint and stainless steel front access panels (036-120)
- Insulated compressor compartment
- Small footprint
- TXV metering devices
- Load leaving temperature range from 25 to 140°F, -4.4 to 60°C (see submittal for specific model range)
- Source entering temperature range from 20 to 130°F, -6.7 to 54.4°C (see submittal for specific model range)
- Microprocessor controls for 036-120.
- LonWorks, BACnet, Modbus and Johnson N2 compatibility options for DDC controls

\* Requires field supplied secondary heat exchanger

### UNIT SIZE

Model		W	D	H
<b>036-060</b>	in. (cm)	25.4 (64.5)	30.6 (77.8)	33.0 (83.8)
<b>120</b>	in. (cm)	52.9 (134.4)	30.6 (77.8)	37.0 (94.0)



## MODULAR WATER-TO-WATER

*3, 6, and 10 Tons  
Open or Closed Loop Applications*



**Warranty**—5 years on compressor, 1 year on parts  
(Some limitations apply; see printed warranty for details.)

[www.marsdelivers.com](http://www.marsdelivers.com)

## PHYSICAL DATA

Model	HWW036	HWW060	HWW120
Compressor (qty)	Scroll (1)		Scroll (2)
Factory Charge HFC-410A (lbs) [kg] Per Circuit	4.5 [2.04]	5.5 [2.49]	5.5 [2.49]
Commercial FPT (in) Load/Source	¾	1	1½
HWG Water In/Out FPT (in)	½		
Weight - Operating, (lbs) [kg]	348 [158]	360 [163]	726 [329]
Weight - Packaged, (lbs) [kg]	373 [169]	385 [175]	770 [349]
Water Volume (Source)			
Gallons (Liters)	0.96 (3.64)	1.33 (5.04)	2.65 (10.02)

Dual isolated compressor mounting  
Balanced port expansion valve (TXV)  
Compressor on (green) and fault (red) light

## TESTED TO ASHRAE/AHRI/ISO 13256-1 ENGLISH UNITS

Model	Refrigerant	Water Loop Heat Pump				Ground Water Heat Pump				Ground Loop Heat Pump			
		Cooling		Heating		Cooling		Heating		Cooling		Heating	
		Indoor 53.6°F [12°C] Outdoor 86°F [30°C]		Indoor 104°F [40°C] Outdoor 68°F [20°C]		Indoor 53.6°F [12°C] Outdoor 59°F [15°C]		Indoor 104°F [40°C] Outdoor 50°F [10°C]		Indoor 53.6°F [12°C] Outdoor 77°F [25°C]		Indoor 104°F [40°C] Outdoor 32°F [0°C]	
		Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP	Capacity	EER	Capacity	COP
		Btuh [kW]	Btuh/W [W/W]	Btuh [kW]		Btuh [kW]	Btuh/W [W/W]	Btuh [kW]		Btuh/W [W/W]	Btuh [kW]	Btuh/W [W/W]	
HWW-036	HFC-410A	32,300 [9.47]	14.60 [4.28]	43,100 [12.64]	4.90	36,200 [10.62]	23.10 [6.77]	35,300 [10.35]	4.00	33,300 [9.77]	16.40 [4.81]	27,400 [8.04]	3.10
HWW-060	HFC-410A	52,800 [15.48]	14.00 [4.10]	72,700 [21.32]	4.60	56,600 [16.60]	20.30 [5.95]	60,300 [17.68]	3.80	55,600 [16.31]	15.10 [4.43]	48,500 [14.22]	2.90
HWW-120	HFC-410A	105,600 [30.97]	13.80 [4.04]	145,400 [42.64]	4.50	113,200 [33.20]	20.10 [5.89]	120,600 [35.37]	3.70	111,200 [32.61]	15.00 [4.40]	97,000 [28.45]	2.90

All ratings based upon operation at the lower voltage of dual voltage rated models.  
\* Indoor = Load side heat exchanger; Outdoor = Source side heat exchanger.



Due to ongoing product improvements, specifications and dimensions are subject to change and correction without notice or incurring obligations. Determining the application and suitability for use of any product is the responsibility of the installer. Additionally, the installer is responsible for verifying dimensional data on the actual product prior to beginning any installation preparations.

Third party incentive and rebate programs have precise requirements as to product performance and certification. All products meet applicable regulations in effect on date of manufacture; however, certifications are not necessarily granted for the life of a product. Therefore, it is the responsibility of the applicant to determine whether a specific model qualifies for these incentive/rebate programs.

"This product complies with all California product labeling laws including, but not limited to, the Safe Drinking Water and Toxic Enforcement Act of 1986, more commonly known as Proposition 65."