

# Water Source Heat Pumps

## for Commercial Applications

*ARI designated WLHP water loop heat pump*

**Energy Efficient!**

**Space Efficient!**

**Cost Effective!**



### The Perfect Unit for Replacements

Heat Controller commercial water source heat pumps are ideal replacements for older water source heat pump installations. With an innovative cabinet design, there are models to fit just about any existing location. Multiple access panels make installation easy, especially in tight spots.

Vertical and horizontal versions are available and can be ordered in a variety of configurations with options for supply air location, return entry and heat exchanger. Horizontal models are field convertible to end discharge without extra parts.

An extensive range of models, capacities and voltages means there's a model to meet the demands of designer, contractor and building owner—a great choice for new construction, retrofits, as well as replacements!

#### HC Series

1/2 to 5 tons, R-22, designed specifically for water loop, boiler-tower applications, includes factory installed hanger brackets on horizontal units.

#### HL Series

6 to 25 tons, R-22 extended operating range, can be used on all three ARI applications: water loop, ground water, or ground loop.

*HC and HL series meet or exceed ASHRAE 90.1 efficiencies*

### Look at these great features...

- ◆ **Exceptionally Efficient**—Water source heat pump systems transfer energy within the building envelope to ensure none is lost and to provide a highly efficient heat/cool system
- ◆ **Quiet Operation**—Double isolation compressor mounting and torsion-flex motor mounts reduce vibration and its resultant sound
- ◆ **Performance Sentinel Monitoring**—System monitors performance and signals potential unit problems before a lockout occurs
- ◆ **Unit Protection**—State-of-the-art electronic controls monitor key system points to prevent damage from short cycling, low or high voltage, high or low refrigerant temperature/pressure, air coil or water coil freeze, and condensate overflow
- ◆ **Durable Cabinet**—G90 galvanized steel construction (with powder coat finish on vertical units)
- ◆ **Reliable Compressors**—All compressors are designed for heat pump duty and efficient operation
- ◆ **Accessories**—A complete line of accessories is available including thermostats, filters, stainless steel hoses, flow controls and more

*Comfort-Cire*<sup>®</sup>  
by HEAT CONTROLLER, INC.

## HC Series Commercial Water Source Heat Pumps

Model	WATER LOOP PERFORMANCE*				Ship Wt.
	Cooling BTUH @ 86°F EWT	EER	Heating BTUH @ 68°F EWT	COP	
HCH 006	6,400	12.5	8,300	4.2	113
HCH/V 009	8,300	12.7	10,800	4.3	115
HCH/V012	11,500	12.7	14,300	4.2	124
HCH/V018	18,200	12.3	22,000	4.2	186
HCH/V024	23,800	13.0	27,800	4.6	194
HCH/V030	28,000	12.2	33,500	4.4	202
HCH/V036	35,000	12.0	45,500	4.2	209
HCH/V042	41,000	12.0	52,600	4.2	224
HCH/V048	47,100	12.2	58,200	4.4	270
HCH/V060	58,000	12.0	76,800	4.2	285

Available voltages: 208/230-1-60, 208/230-3-60, 460-3-60, 575-3-60, 265-1-60, although all models are not available in all voltages. See HC Engineering Design Guide or Price Sheet for complete part number list.

All units available in right or left return.

\* Units rated in accordance with ISO 13256-1



Individually packaged units are designed specifically for boiler-tower closed loop applications. Each unit can be operated year 'round in heating or cooling mode, providing zone control and independent operation. This makes them ideal for multi-story structures such as office buildings, as well as single story facilities such as nursing homes and schools. Individual units are connected by a water loop which transfers energy into and out of the individual units.

## HL Series Large Water Source Heat Pumps

Model	WATER LOOP PERFORMANCE*				Shipping Weight
	Cooling @ 86°F EWT	EER	Heating @ 68°F EWT	COP	
<b>Horizontal</b>					
HLH072	68,000	13.2	86,000	4.6	560
HLH096	94,600	12.8	108,700	4.4	600
HLH120	120,000	12.7	137,800	4.2	680
<b>Vertical</b>					
HLV080	71,000	13.5	90,000	4.5	610
HLV100	97,000	12.5	111,000	4.5	695
HLV120	108,000	12.2	124,000	4.2	745
HLV160	142,000	13.5	180,000	4.5	1145
HLV200	194,000	12.5	222,000	4.5	1275
HLV240	216,000	12.2	248,000	4.2	1375
HLV300	273,000	11.8	318,000	4.0	1475

Available voltages: 208/230/3-60, 460-3-60, 575-3-60. See HL Engineering Design Guide or Price Sheet for a complete part number list.

Vertical models available in front or back return, and in a variety of discharge locations. Horizontal units available with left return only.

\*Units rated in accordance with ISO 13256-1

Large capacity units meet the requirements of common areas, gymnasiums, cafeterias, and any other area where individual comfort control of a large space is required. All HL Series units feature belt drive blowers and multiple motor selections to meet every application.



Specifications, design, materials and performance data subject to change without notice.



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