

Water Source Heat Pumps

HB Series Compact Commercial



Energy Efficient!

Space Efficient!

Cost Effective!



HB Series performance exceeds ASHRAE 90.1 efficiencies

The Perfect Unit for Replacements

Century 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!

HB Series

1/2 to 5 tons, R-410A with TXV metering device, designed specifically for water loop, boiler-tower applications, includes factory installed hanger brackets on horizontal units.

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

Look at these great features...

- ◆ **PSC Fan Motor**—Three speed motor for efficiency; two speed motor on 575V models
- ◆ **Quiet Operation**—Double isolation compressor mounting reduces vibration; blower housing is covered in noise suppression material; insulated divider separates compressor and air handler compartments
- ◆ **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**—Galvanized steel construction
- ◆ **Reliable Compressors**—Copeland scroll compressors on 024 and larger models; rotary compressor on 018 and smaller sizes; 015 to 060 models include compressor discharge muffler
- ◆ **Accessories**—A complete line of accessories is available including thermostats, filters, stainless steel hoses, flow controls and more

The Century logo is written in a bold, italicized, green sans-serif font. A registered trademark symbol (®) is located at the bottom right of the logo.

HB Series Commercial Water Source Heat Pumps

Model	WATER LOOP PERFORMANCE*				Shipping Weight (lbs)
	86°F EWT	EER	Heating BTUH @ 68°F EWT	COP	
HBH/HBV006	5,800	13.2	7,500	4.7	113
HBH/HBV009	8,800	13.4	11,600	4.2	115
HBH/HBV012	11,700	13.5	15,200	4.3	124
HBH/HBV015	14,500	15.4	17,300	5.0	158
HBH/HBV018	17,300	14.3	21,500	5.0	163
HBH/HBV024	23,700	13.4	28,500	4.7	194
HBH/HBV030	28,100	13.4	35,100	4.6	202
HBH/HBV036	34,500	13.5	45,200	4.4	209
HBH/HBV042	40,100	13.1	52,700	4.3	224
HBH/HBV048	47,700	13.3	55,900	4.7	270
HBH/HBV060	59,400	13.4	77,000	4.3	285

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.

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 HB Engineering Design Guide or Price Sheet for complete part number list.

All units available in right or left return.

See Engineering Design Guide for Ground Water/Ground Loop performance data.

* Units rated in accordance with ISO 13256-1



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

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