

## COMPONENT FEATURES



### MITSUBISHI COMPRESSOR

The DC inverter scroll compressor has a 20% higher energy efficiency than that of traditional fixed frequency compressors.



### FIN TYPE HEAT EXCHANGER

The brushed gold coating helps prevent the aluminum fins from corroding. The fins then resist frost and are easily cleaned.



### INVERTER DRIVE

By using digital signal processing chips and PMSM sinusoidal wave controlling method, its power factor can reach 95%. The working voltage range then increases. The unit can reach 1Hz control accuracy.



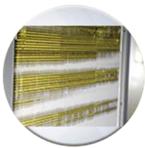
### ELECTRONIC EXPANSION VALVE

The electronic expansion valve more accurately controls refrigerant flow, thereby increasing superheat control accuracy. This improves both the unit's reliability and efficiency.



### PATENTED HEAT EXCHANGER

Compared with standard plate heat exchangers, the patented heat exchanger is 30% more efficient in heating mode due to its increased copper fin surface area.



### INTELLIGENT DEFROSTING

In winter, the system utilizes pressure probe defrosting logic, making for faster defrosting and more time spent in heating mode compared to temperature probe defrosting.



### R410A REFRIGERANT

In order to protect the environment, this unit uses R410A, a non-ozone depleting refrigerant.



### ALL-COPPER WATER PIPES

All water pipes are made of copper, resulting in a longer service life for the system.

In keeping with our policy of continuous product improvement, PHNIX reserves the right to make specification and design changes without notice.

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ISO14001: 2004 ISO9001: 2008 CE RoHS cULus



## HERO SERIES

### WARM UP YOUR HOME AND YOUR LIFE

Thanks to its variable speed motor technology, the PHNIX HERO SERIES Heat Pump delivers reliable and efficient home heating and cooling.



# HERO SERIES

## AIR-TO-WATER VARIABLE SPEED HEAT PUMP IN-HOME HEATING & COOLING SOLUTION

Heat and cool your whole home efficiently with the HERO SERIES Variable Speed Heat Pump. Unlike fixed speed motors, the variable speed motor adjusts to operate at the best speed to achieve your target temperature under different working conditions.

This improved operating efficiency means more comfortable living spaces and a lower energy bill. The hydronic HERO SERIES Variable Speed Heat Pump comes in two different capacities in order to supply your home with the optimum heating and cooling.

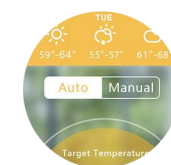


**H15B**  
(4 tons)



**H8**  
(2.5 tons)

## SMART CONTROL SYSTEM COMFORT MADE EASY



### CONVENIENT REFERENCE

Download the weather forecast to use as a convenient reference when determining your room's temperature setting.



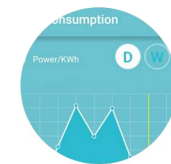
### MULTI-ROOM ZONING

Program a different temperature for each room according to your preferences. You can also choose from heating, cooling, or automatic modes.



### SMART CONTROL

Monitor and control your heat pump system remotely from your smartphone. Use the app anywhere at anytime where Internet is available.



### MONITOR USAGE

Track your energy consumption per day, month, or year through the heat pump app.



**ULTRA-THIN FAN COIL**  
Zone your home with PHNIX Ultra-Thin Fan Coils. These slim units quietly warm a room without taking up much space.



**RADIANT FLOOR HEATING**  
The HERO SERIES works with most hydronic radiant heating installations. Enjoy warm floors without circulating allergens.



**STANDARD RADIATORS**  
Standard radiators with an inlet water temperature of up to 131°F are compatible with the HERO SERIES.