

Specification

Model		V12	V18
Power Supply	/	208-230V~/60Hz	208-230V~/60Hz
Heating Condition - Ambient Temp. (DB / WB): 47 / 43°F, Water Temp. (In / Out): -/ 120°F			
Nominal Capacity	Btu/h	41000	61500
Heating Capacity Range	Btu/h	20500~61900	22200~75800
Heating Power Input Range	kW	1.92~5.15	1.93~7.14
Heating Condition - Ambient Temp. (DB / WB): 17 / 15°F, Water Temp. (In / Out): -/ 120°F			
Nominal Capacity	Btu/h	41000	52800
Heating Power Input	kW	4.95	6.51
Cooling Condition - Ambient Temp. (DB / WB): 95 / -°F, Water Temp. (In / Out):-/ 44°F			
Nominal Capacity	Btu/h	41000	54600
Cooling Capacity Range	Btu/h	15500~47800	16100~54600
Cooling Power Input Range	kW	1.71~4.73	1.90~6.46
Technical Speicfcation			
Max. Power Input	kW	7.1	7.5
Max. Current Input	A	30	33
Refrigerant Type	/	R454B	R454B
Refrigerant Volume	lb	5.732	6.173
CO ₂ Equivalent	Ton	1.2142	1.3076
Sound Pressure (1m)	dB(A)	43~55	45~58
Net Weight	lb	320	375
Unit Dimension(L/W/H)	inch	50.7 x 18.0 x 36.5	49.2 x 21.3 x 52.4
Shipping Dimension(L/W/H)	inch	55.9 x 21.3 x 42.5	54.3 x 24.4 x 58.3
Operating Ambient Temperature	°F	-22~113	-22~113
Heating Outlet Water Temperature	°F	59~149	59~149
Cooling Outlet Water Temperature	°F	41~77	41~77
Fan Quantity	/	1	2
Fan Motor Type	/	DC Motor	DC Motor
Water Connection	NPT	1 inch	1 inch
Rated Water Flow	gpm	8.28	11.01
Water Pressure Drop @ Rated Water Flow	ft H ₂ O	6.69	8.36
Cabinet Type	/	Galvanized Sheet+ASA	Galvanized Sheet+ASA

* The above data is based on 230V power supply which is for reference only. Specific data is subject to the product nameplate.

GUANGDONG PHNIX ECO-ENERGY SOLUTION LTD.

TEL:+86-4009-4009-00 FAX: +86-20-39067770
E-mail: phnixen@phnix-e.com Website: www.phnix-e.com

© 2025 PHNIX All rights reserved. Subject to change without notice.



Website



LinkedIn

PHNXX



Volcano Series

Air-to-Water Heat Pump
Heating/Cooling, Hot Water



R454B Refrigerant

• Low GWP (Global Warming Potential)

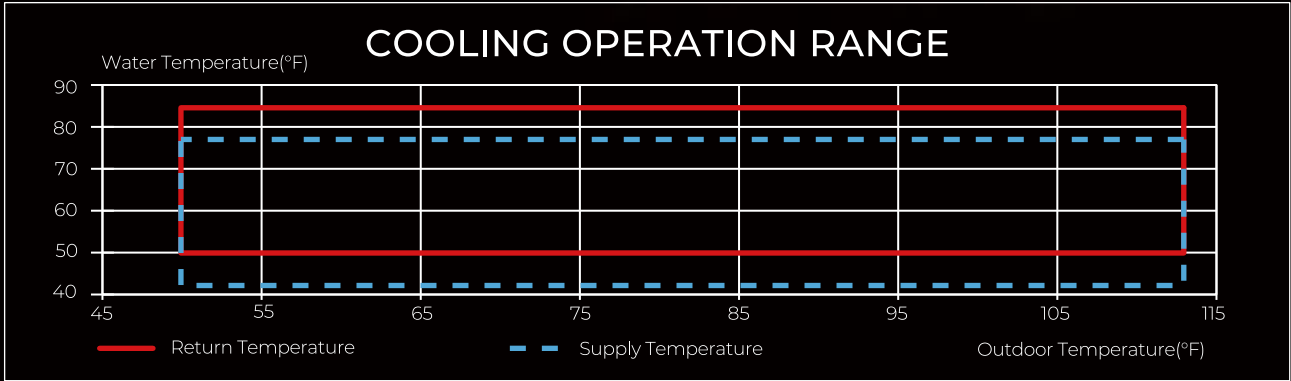
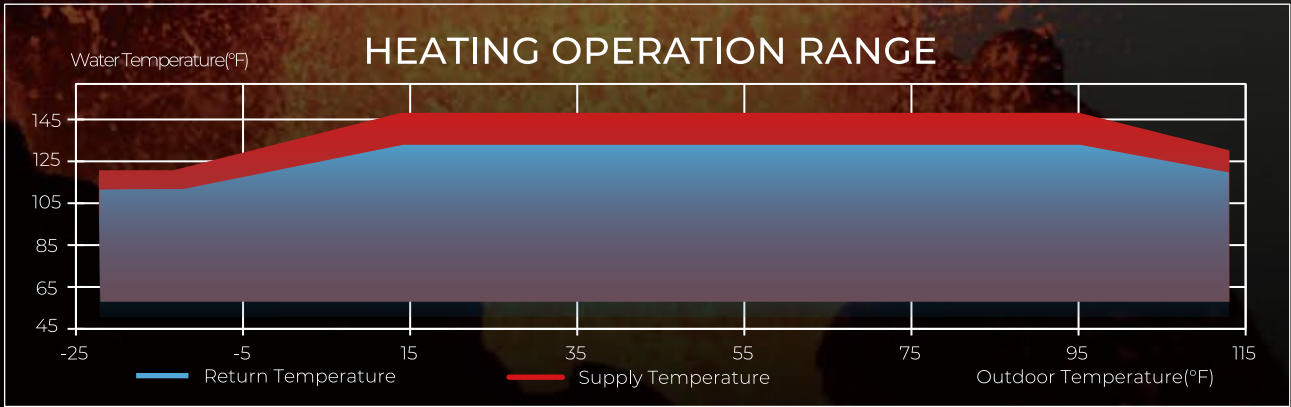
PHNIX heat pumps utilize R454B refrigerant with a GWP of only 467, representing a significant 78% reduction compared to R410A's GWP of 2088.

• High COP(Coefficient of Performance)

With a higher COP than R410A, R454B used in units effectively reduces energy consumption and operational costs. This superiority not only enhances energy efficiency but also signifies that PHNIX heat pumps can achieve the same heating output with less electrical input, thereby lightening the environmental impact.

High Outlet Water Temperature

PHNIX heat pumps achieve an industry-leading water outlet temperature of up to 149°F (65°C). This elevated temperature capability not only accelerates water heating but also optimizes energy consumption, resulting in a more efficient and cost-effective heating solution for various applications.



Features



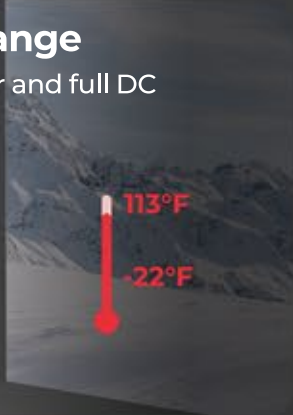
Vortex Flowmeter

Accurately and stably detect water flow status, and convenient for maintenance.



Broad Operating Range

With Mitsubishi compressor and full DC inverter EVI technology.



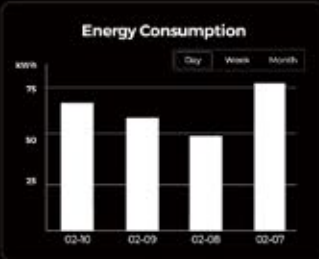
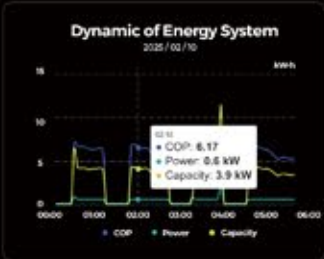
Security Guarantee for Leakage

When a refrigerant leak occurs, the special design can discharge the refrigerant from the water before it enters the room.



Electricity Usage Display

Built-in electricity meter can provide instant feedback on operational status and energy usage.



High-Definition Display

5-inch color screen supports multiple languages.



Full DC Inverter EVI Technology

