

## NIRVANA NE20

# NIRVANA Heat Pump NE20 User Manual

Model: NE20 | Brand: NIRVANA

## INTRODUCTION

The NIRVANA Heat Pump NE20 is a compact and energy-efficient solution designed to heat your above-ground swimming pool, extending your swimming season cost-effectively. This unit is engineered for ease of use, featuring a simple plug-and-play installation that connects to any standard outlet, drawing up to 8 AMPS. It is AHRI Rated and certified to ensure energy-efficient pool heating.

Key features include:

- **AHRI Certified:** Independently tested and verified for energy-efficient performance.
- **Efficient and Reliable:** Operates on 15 Amp / 120 Volt, environmentally friendly with R410A refrigerant, and a quiet 48 dB at 10 meters.
- **Compact Design:** Measures 19.9" x 14.2" x 21.4" and weighs 64 pounds.
- **Easy Operation:** Plug and play design for pools up to 15 feet round and 5,000 Gallons.
- **Water Connections:** Includes 1 ¼" - 1 ½" BARB fittings and 1 ½" quick connect fittings.

## SETUP AND INSTALLATION

The NE20 Heat Pump is designed for straightforward installation. Ensure the unit is placed on a stable, level surface with adequate clearance for air circulation, as indicated by the 'DO NOT BLOCK THE AIR VENT!' warning on the fan. The unit requires a 15 Amp / 120 Volt electrical connection and is plug-and-play, meaning no complex electrical wiring is typically needed beyond plugging it into a suitable outlet.

For water connections, utilize the provided 1 ¼" - 1 ½" BARB fittings and 1 ½" quick connect fittings to connect the heat pump to your pool's filtration system. Ensure all connections are secure and leak-free before operating the unit.



Front view of the NIRVANA NE20 Heat Pump, showing the main fan and branding.



Side view of the NIRVANA NE20 Heat Pump, illustrating the air intake fan and compact design.



Rear view of the NIRVANA NE20 Heat Pump, highlighting the water inlet and outlet connections.

## OPERATING INSTRUCTIONS

Once installed and connected, operating the NIRVANA NE20 Heat Pump is simple. The unit features a precise digital control panel for setting and maintaining your desired pool temperature. It is designed to be remarkably quiet during operation, ensuring a peaceful pool environment.

To begin heating, ensure your pool pump is running to allow water circulation through the heat pump. Use the digital controls to set your target temperature. The heat pump will automatically activate and deactivate to maintain the set temperature, providing consistent warmth for your pool.

NE20



**NE20 HEAT PUMP**  
**120 VOLT - 15 AMP POWER PLUG**  
**COMPACT DESIGN**  
**INSTANT UTILISATION**



No electrician  
required

**READY TO USE**  
**PLUG AND PLAY**



Promotional image highlighting the plug-and-play nature and ease of use of the NE20 Heat Pump.



### Designed for all climates

Our pool heat pumps and heat-cool pumps are proudly designed for all regions and climates of the United States.

Icon representing precise digital control for optimal pool temperature management.



### Remarkably quiet

Our heat pumps incorporate cutting edge noise reduction methods such as, scroll compressors, swept wing fan blades, compressor acoustic covers and super rigid casing that dampen vibrations.

Icon indicating the remarkably quiet operation of the heat pump, enhancing your pool experience.

## MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your NIRVANA Heat Pump. Keep the area around the unit clear of debris, leaves, and other obstructions to ensure proper airflow to the fan and coils. Periodically inspect the coils for dirt buildup and gently clean them with a soft brush or hose if necessary. Ensure all water connections remain tight and free of leaks.

During colder months or extended periods of non-use, it is recommended to properly winterize the heat pump according to standard pool equipment procedures to prevent damage from freezing.

## TROUBLESHOOTING

If you encounter issues with your NIRVANA Heat Pump, consider the following common troubleshooting steps:

- **Unit not turning on:** Check the power connection and ensure the circuit breaker has not tripped. Verify the pool pump is running, as the heat pump requires water flow to operate.
- **Insufficient heating:** Ensure the set temperature is higher than the current pool temperature. Check for proper water flow and ensure the coils are clean and free of obstructions.
- **Unusual noises:** Inspect the fan for any obstructions. If unusual noises persist, contact customer support.
- **Water leaking from unit:** A small amount of condensation is normal during operation. However, if there is significant water leakage, check all water connections for tightness. If the leak persists, discontinue use and contact customer support.

For more complex issues, please refer to the detailed troubleshooting guide in the full product manual or contact NIRVANA customer support.

## SPECIFICATIONS

The NIRVANA NE20 Heat Pump is built with high-quality components and designed for optimal performance. Below

are the detailed specifications:

Feature	Specification
Product Dimensions	14.2 x 19.9 x 21.4 inches
Item Weight	64 pounds
Manufacturer	Nirvana Heat Pump
Model Number	NE20
Electrical Requirements	15 Amp / 120 Volt
Refrigerant	R410A
Noise Level (at 10 meters)	48 dB
Water Connections	1 ¼" - 1 ½" BARB, 1 ½" quick connect fittings
Recommended Pool Size	Up to 15 feet round / 5,000 Gallons

# Heat Pump Pool Heaters (HPPH)

## Certification Program

AHRI is the world's most trusted source of performance certified heating, cooling, ventilation and commercial refrigeration equipment and components. Only products that have passed AHRI's rigorous third-party testing can display the AHRI Certified mark. Find certified products at [www.ahridirectory.org](http://www.ahridirectory.org).



## Related Standard

Products in the HPPH certification program are tested to AHRI Standard 1160 (I-P)/1161 (SI), *Performance Rating of Heat Pump Pool Heaters*.

## Program Scope

A heat pump pool heater consists of one factory-made assembly, which contains the air moving device, compressor, refrigerant-to-water heat exchanger and air-to-refrigerant heat exchanger using ambient air as the heat source. Models may consist of more than one assembly to be used together for the purpose of cooling and heating water. Models with separate assemblies shall be designed to be used together, with certification based on the use of matched assemblies. Heat pump pool heaters shall provide the function of heating pool water to achieve a controlled temperature, but may include the functions of pool water cooling, air-heating, air cooling, air-circulating, air-cleaning, or dehumidifying.

## Certified Ratings

- Standard rating heating capacity—high air temperature—high humidity, Btu/h
- Standard rating COP—High Air Temperature—High Humidity, watts/watt [W/W]
- Standard rating heating capacity—high air temperature—mid humidity, Btu/h
- Standard rating COP—high air temperature—mid humidity, watts/watt
- Standard rating heating capacity—low air temperature—mid humidity, Btu/h
- Standard rating COP—low air temperature—mid humidity, watts/watt

Visit [www.ahridirectory.org](http://www.ahridirectory.org)

Contact  
[certification@ahrinet.org](mailto:certification@ahrinet.org)  
for more information.

In the Asia Pacific region, please contact  
Bridge Xue at [bxue@ahrinet.org](mailto:bxue@ahrinet.org) or 138 1043 2200.



The AHRI Certification Program is a voluntary program, administered and governed by the Air-Conditioning, Heating, and Refrigeration Institute (AHRI), which ensures that various types of heating, ventilation, air conditioning, refrigeration, and water heating products perform according to manufacturers' published claims. Products that are certified through the AHRI Product Performance Certification Program are continuously tested, at the direction of AHRI, by an independent third-party laboratory, contracted by AHRI, to determine the product's ability to conform to one or more product rating standards or specifications.

Detailed specifications table for the NIRVANA NE20 Heat Pump, including performance ratings.



MODEL NE SERIE		NE20
(80/80/80 – AHRI)	BTU / COP	19 800 / 5.6
(80/63/80 – AHRI)	BTU / COP	14 000 / 4.6
(50/63/80 – AHRI)	BTU / COP	10 880 / 3.8
REFRIGERANT		R410A
MINIMUM / MAXIMUM BREAKER (A)		15A - PLUG-IN
AMPS (A)		8
DECIBEL AT 10 METERS		48
VENTILATION		10"
HEAT EXCHANGER		TWISTED TITANIUM
DEFROST		ACTIVE (HOT GAS)
CONTROL BOARD		DIGITAL
COMPRESSOR TYPE		ROTARY
VOLTAGE		120V / 60HZ / 1 PHASE
CABINET		ABS PLASTIC WITH METAL FRAME
MINIMUM / MAXIMUM WATER FLOW (GPM)		8.8 - 15
DIMENSIONS IN INCHES (W X L X H)		19.9 X 14.2 X 21.4
WEIGHT (LBS)		64
WATER CONNECTION		1 ¼" – 1 ½" BARB - FITTINGS AND 1 ½" QUICK CONNECT FITTINGS INCLUDED
POOL DIMENSIONS		UP TO 15' ROUND
POOL CAPACITY (GALLONS)		UP TO 5 000 GALLONS



Developed in North America



Environmentally friendly



Easy to use



Energy efficient



Compact size

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The AHRI Certified logo, signifying that the product has been independently tested and verified for performance and energy efficiency.

## WARRANTY AND SUPPORT

NIRVANA Heat Pumps are manufactured with over 25 years of expertise, ensuring high-quality and reliable products. For specific warranty details, please refer to the warranty card included with your product or visit the official NIRVANA Heat Pump website. Warranty terms typically cover manufacturing defects and performance as per

the product specifications.

For any questions, technical assistance, or support, please contact NIRVANA customer service. Our dedicated support team is available to assist you with installation, operation, and troubleshooting queries.

*Customer Support is available for assistance with your product.*

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