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> NIRVANA NE55 Heat Pump Instruction Manual

NIRVANA NE55

NIRVANA NE55 Heat Pump Instruction Manual

Model: NE55 - 55,000 BTU, 11,000 Gallon Above Ground Swimming Pool Heater

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your NIRVANA NE55 Heat Pump. Please read this manual thoroughly before attempting to install or operate the unit. Retain this manual for future reference.



Energy Efficiency: The NIRVANA NE55 is an AHRI Certified heat pump designed for energy-efficient heating of above-ground swimming pools up to 11,000 gallons. It features a compact design and a digital control board for easy temperature adjustment.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing and operating this product to reduce the risk of fire, electric shock, or injury to persons.

- Ensure all electrical connections are performed by a qualified electrician and comply with local codes.
- Do not operate the unit if any part is damaged or malfunctioning.
- Keep children and unauthorized persons away from the unit during operation.
- Always disconnect power before performing any maintenance or service.
- This unit contains R410A refrigerant. Servicing should only be performed by qualified personnel.

3. SETUP AND INSTALLATION

3.1 Unpacking and Placement

Carefully unpack the NIRVANA NE55 Heat Pump. The unit measures 39.2"W x 15.2"L x 25.9"H and weighs 135 pounds. Choose a stable, level location for the unit. Ensure adequate airflow around the unit for optimal performance. Avoid placing the unit in enclosed spaces or directly against walls that would restrict air intake or exhaust.

Important: After placement, allow the unit to stand upright for at least 24 hours before initial operation. This allows the compressor oil to settle, similar to a new refrigerator, preventing potential damage.



Figure 1: Front view of the NIRVANA NE55 Heat Pump, showing the fan grille and brand logo.



Figure 2: Angled view of the NIRVANA NE55 Heat Pump, highlighting the side air intake and fan.

3.2 Electrical Connections

The NE55 requires a 14 AMP/240 Volt electrical connection. All electrical work must be performed by a licensed electrician in accordance with national and local electrical codes. Ensure the circuit can handle the heat pump's power consumption (approximately 880 watts at 110V, or 14 Amps at 240V, depending on configuration) in addition to other pool equipment (e.g., pool pump) to prevent circuit breaker trips.

An outdoor-rated, solid (not stranded) grounding wire (at least 12 gauge) must be attached to the unit and your ground, similar to the pool pump. Consult local codes for conduit requirements.

3.3 Water Connections

The unit includes 1 1/2" quick connections for water lines. The heat pump should be installed after the pool filter and before any chemical feeders. The typical plumbing configuration is: Pool → Pool Pump → Filter → Heat Pump → Pool. You will need at least three hoses: one from the pool to the pump, one from the pump to the heat pump inlet, and one from the heat pump outlet back to the pool.



Figure 3: Angled rear view of the NIRVANA NE55 Heat Pump, indicating the location of the water inlet and outlet connections.

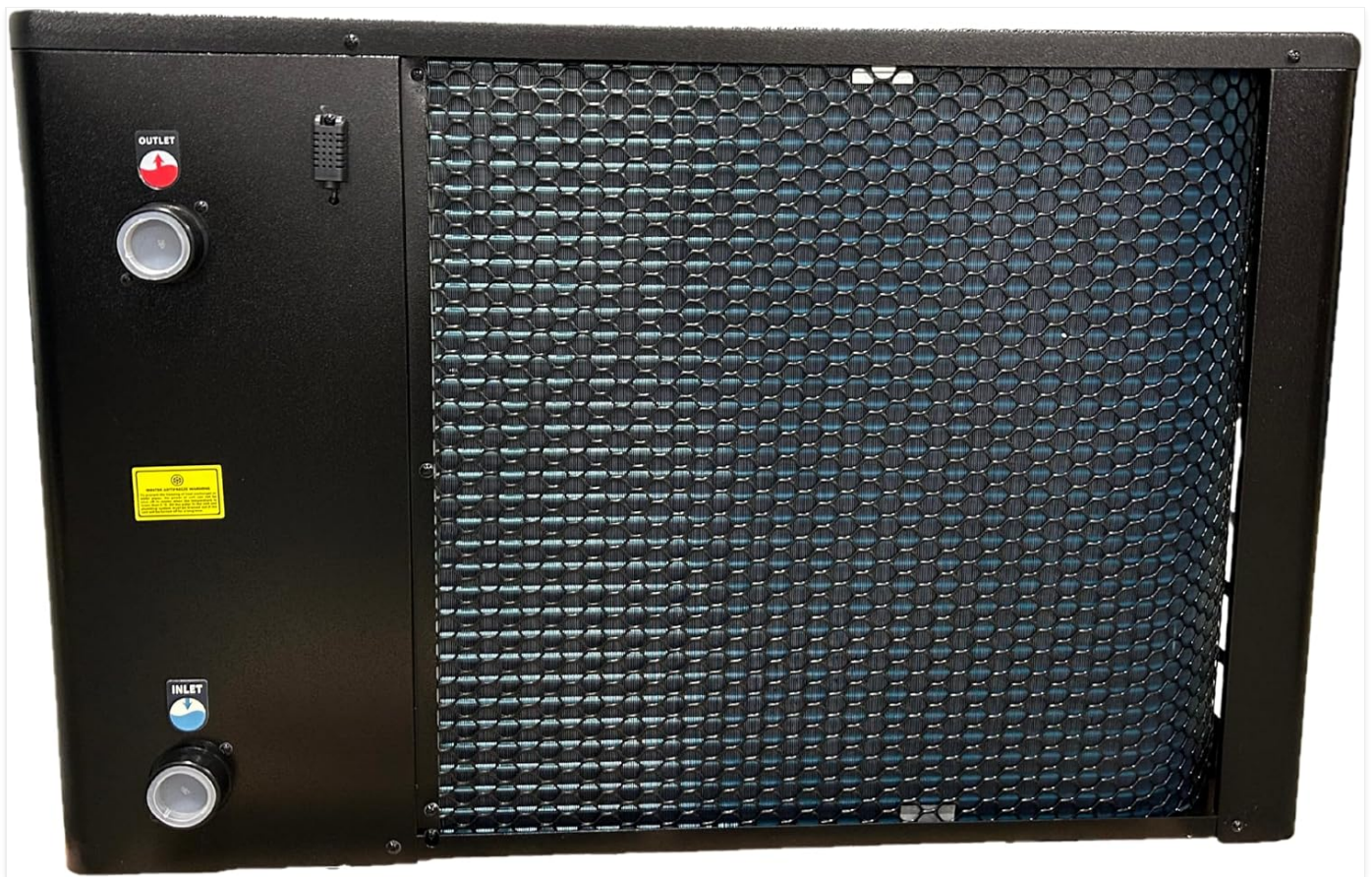


Figure 4: Rear view of the NIRVANA NE55 Heat Pump, displaying the heat exchanger coil and clearly labeled water inlet and outlet ports.

4. OPERATION

4.1 Initial Startup

Before starting the heat pump, ensure your pool pump is running and water is circulating through the system. The heat pump requires water flow to operate correctly. The NE55 is compatible with 2-Wire Systems.

4.2 Digital Control Board

The unit features a digital control board for adjusting settings, including the desired pool temperature. Refer to the detailed instructions provided with the unit for specific navigation and setting adjustments. The factory default temperature setting may be high; adjust it to your preferred pool temperature (e.g., 94°F) to prevent continuous operation.

4.3 Normal Operation

The NIRVANA NE55 operates quietly at approximately 48 dB at 10 meters. It uses R410A refrigerant for efficient heat transfer. For optimal heating, run the unit during warmer parts of the day or overnight, especially if sharing a circuit with other high-wattage appliances.

Precise Digital Control: The Nirvana heat pump features a precise control panel for maintaining a constant pool temperature and optimizing energy efficiency. Optional external control systems or a Wifi application may be available.



Remarkably Quiet Operation: Our heat pumps incorporate noise reduction methods such as scroll compressors, swept wing fan blades, compressor acoustic covers, and super rigid casing to dampen vibrations, resulting in quiet operation.

5. MAINTENANCE

5.1 Routine Care

- Keep the area around the heat pump clear of debris, leaves, and other obstructions to ensure proper airflow.
- Periodically clean the exterior of the unit with a soft cloth and mild detergent. Do not use harsh chemicals or abrasive cleaners.
- Inspect water connections for leaks or damage regularly.

5.2 Condensation

It is normal for the heat pump to produce condensation (water drainage) during operation, especially in humid conditions. This is not a leak. The unit can drain up to 10 gallons per hour depending on humidity levels. To verify if drainage is condensation or a leak, test the water with a pool chlorine strip; if no chlorine, it is condensation.

5.3 Winterization

Before freezing temperatures arrive, it is crucial to properly winterize your heat pump. Consult a pool professional or refer to specific winterization guidelines for your region. Generally, this involves draining all water from the unit and plumbing lines to prevent freeze damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Water draining from unit	Condensation (normal operation)	This is normal. Test water with a chlorine strip; if no chlorine, it is condensation.
Circuit breaker trips	Overloaded electrical circuit	Ensure the heat pump is on a dedicated circuit or that the combined wattage of all appliances on the circuit does not exceed its capacity. Consult an electrician.
Grinding noise on startup	Temporary compressor or fan noise	A slight grinding noise on initial startup may occur. If it persists or is excessively loud, contact support.
Unit not heating	Incorrect temperature setting, insufficient water flow, or low ambient air temperature	Verify desired temperature setting. Ensure pool pump is running and filter is clean. Heat pumps are most efficient in warmer ambient temperatures (80°F+).

7. SPECIFICATIONS

Model: NE55

Heating Capacity: 55,000 BTU

Recommended Pool Size: Up to 11,000 Gallons (Above ground up to 21", Inground up to 15' x 30')

Electrical Requirements: 14 Amp / 240 Volt

Refrigerant: R410A

Noise Level: 48 dB at 10 meters

Product Dimensions: 39.2" (W) x 15.2" (L) x 25.9" (H)

Item Weight: 135 pounds

Water Connections: 1 1/2" Quick connections

Certifications: AHRI Certified



Figure 5: AHRI Certified logo, indicating independent testing and verification of performance ratings.

AHRI Certified

The performance of equipment in the AHRI Certified program is independently measured and verified, instilling consumer confidence and enabling fair product comparisons. Certified products must undergo rigorous testing by independent laboratories under contract to AHRI. Equipment and components are evaluated using the appropriate industry standard to certify that published performance ratings are accurate.

AHRI's certification program is globally recognized and industry respected, consistently demonstrating that performance claims have been independently measured and verified by a third-party laboratory. Upon verification, the AHRI Certified® mark is applied to the product to serve as a visual statement of conformance.

Certified products are listed in the AHRI Directory of Certified Product Performance (www.ahridirectory.org). This online, real-time database allows contractors and consumers to search by product lines, certified ratings, or manufacturer, to get the information they need, when they need it.

The choice is clear. Why take a risk?

RATED

- Conforms to standard
- Subject to rigorous and continuous testing
- Manufacturers' performance ratings independently measured
- Third-party verified
- All products within program scope certified
- Provides marketplace clarity

AHRI CERTIFIED

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- Manufacturers' performance ratings independently measured
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- Provides marketplace clarity



Visit www.ahrinet.org/certification for more information.

Asia: Contact Bridge Xue at bxue@ahrinet.org

Middle East & North Africa: Contact mena@ahrinet.org

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.

Figure 6: Explanation of AHRI Certification, detailing the rigorous testing and verification process for pool heat pumps.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

For detailed warranty information, please refer to the warranty card included with your product or visit the official NIRVANA website. Keep your proof of purchase for warranty claims.

8.2 Customer Support

If you encounter any issues or have questions not covered in this manual, please contact NIRVANA customer support. Contact details can typically be found on the manufacturer's website or your purchase documentation. While real-time support may vary, assistance is available for product inquiries and technical guidance.

You can visit the NIRVANA store for more information: [NIRVANA Store](#)

