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› Hayward W3H135FDP H-Series Propane Pool Heater User Manual

Hayward W3H135FDP

Hayward W3H135FDP H-Series Propane Pool Heater User Manual

Model: W3H135FDP

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Hayward W3H135FDP H-Series Propane Pool Heater. Please read this manual thoroughly before attempting to install or operate the heater. Keep this manual for future reference.

The Hayward H-Series heater is designed for heating above-ground pools using propane gas. It features a durable cupro nickel heat exchanger, an intuitive electronic control panel, and forced-draft combustion for reliable performance in various weather conditions.

135,000 BTU GAS HEATER



PROPANE

FOR
ABOVE
GROUND
POOLS

H-Series Heater

 **HAYWARD**[®]
We Build Better.

Front view of the Hayward W3H135FDP H-Series Propane Pool Heater, highlighting its 135,000 BTU capacity, propane fuel type, and suitability for above-ground pools.

2. IMPORTANT SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- Always disconnect power before servicing.
- Ensure proper ventilation around the heater.
- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Installation and service must be performed by a qualified installer, service agency, or gas supplier.
- This heater is designed for **propane gas only**. Do not attempt to use natural gas.
- Keep children and pets away from the heater.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation. If any parts are missing or damaged, do not proceed with installation and contact Hayward customer support.

- Hayward W3H135FDP H-Series Propane Pool Heater unit
- User Manual (this document)
- Installation hardware (specific items may vary, refer to packing list)

4. SETUP AND INSTALLATION

Installation must comply with all local codes and ordinances. In the absence of local codes, refer to the National Fuel Gas Code (ANSI Z223.1/NFPA 54) or the Natural Gas and Propane Installation Code (CSA B149.1).

4.1 Location Requirements

- Install the heater outdoors, on a level, non-combustible surface.
- Maintain adequate clearances from combustible materials and other equipment. Refer to the heater's data plate for specific clearance requirements.
- Ensure the location allows for proper ventilation and drainage.
- Avoid locations where the heater may be exposed to excessive wind or spray from the pool.

4.2 Plumbing Connections

Connect the heater to your pool's filtration system. The heater should be installed after the filter and before any chemical feeders.

- Use appropriate plumbing fittings and sealants to prevent leaks.
- Ensure proper water flow through the heater. Insufficient flow can cause damage.

FASTER HEATING

82%
THERMAL
EFFICIENCY

FORCED-DRAFT
COMBUSTION
PROTECTS
AGAINST OUTSIDE
WEATHER
VARIABLES



H-Series Heater

 **HAYWARD**[®]
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Side view of the heater, illustrating the plumbing inlet/outlet and the forced-draft combustion system.

4.3 Gas Connections (Propane Only)

IMPORTANT: This heater is factory-set for propane gas. Do not attempt to convert it to natural gas. Gas connections must be made by a qualified professional.

- Connect the propane supply line to the heater's gas inlet.
- Ensure all gas connections are tight and leak-free. Use a leak detection solution to check for leaks.
- Install a manual gas shut-off valve upstream of the heater.

4.4 Electrical Connections

Electrical wiring must be performed by a qualified electrician in accordance with all local codes and the National Electrical Code (NFPA 70).

- Ensure the heater is properly grounded.
- Connect the heater to a dedicated circuit with appropriate overcurrent protection.

5. OPERATING INSTRUCTIONS

5.1 Initial Startup

1. Ensure the pool pump is running and there is adequate water flow through the heater.
2. Open the manual gas shut-off valve to supply propane to the heater.
3. Turn on the electrical power to the heater.
4. The electronic control panel will illuminate.

5.2 Setting Desired Temperature

Use the intuitive electronic control panel to set your desired pool temperature.

1. Press the "Mode" button to select the pool heating function.
2. Use the up/down arrow buttons to adjust the target temperature.
3. The heater will automatically ignite and begin heating the water to the set temperature.



The electronic control panel for setting and monitoring pool temperature.

5.3 Shutting Down the Heater

1. To temporarily stop heating, turn off the heater via the control panel.
2. For extended shutdown or servicing, close the manual gas shut-off valve and turn off the electrical power to the heater.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Hayward H-Series heater. Always disconnect power and gas supply before performing any maintenance.

6.1 Routine Checks

- **Monthly:** Inspect the area around the heater for debris, obstructions, or signs of leaks.
- **Seasonally:** Check the heat exchanger for scale buildup or corrosion. If necessary, clean according to manufacturer guidelines or consult a qualified service technician.
- Ensure proper water chemistry in your pool to prevent damage to the heater's components.

6.2 Winterization

In areas subject to freezing temperatures, proper winterization is crucial to prevent damage.

1. Turn off the heater and disconnect both electrical power and gas supply.
2. Drain all water from the heater's plumbing and heat exchanger. Use a shop vacuum or air compressor to ensure all water is removed.
3. Store the heater in a dry, protected area if possible, or cover it with a weather-resistant cover.

7. TROUBLESHOOTING

Before contacting customer support, review the following common issues and solutions.

Problem	Possible Cause	Solution
Heater does not ignite.	No gas supply, low water flow, electrical issue, faulty igniter.	Check gas valve, ensure pump is running, verify power, consult service technician.
Heater cycles on and off frequently.	Insufficient water flow, dirty filter, air in system, oversized heater.	Check pump and filter, bleed air from system, consult pool professional.
Error code displayed on panel.	Specific system fault.	Refer to the heater's specific error code list in the full manual or contact support.
Water not heating.	Incorrect temperature setting, low gas pressure, heat exchanger issue.	Verify temperature setting, check gas supply, contact service technician.

If troubleshooting steps do not resolve the issue, contact Hayward customer support or a qualified service professional.

8. SPECIFICATIONS

- **Model:** W3H135FDP
- **Fuel Type:** Propane Gas
- **BTU Input:** 135,000 BTU/hr

- **Thermal Efficiency:** 82%
- **Heat Exchanger:** Cupro Nickel
- **Dimensions (L x W x H):** Approximately 30.3 x 21.4 x 22.6 inches (77 x 54.4 x 57.4 cm)
- **Item Weight:** Approximately 117.5 lbs (53.3 kg)
- **Electrical Requirements:** Refer to product label for specific voltage and amperage.
- **NOx Emissions:** Low NOx (meets clean air quality standards)

PRODUCT DIMENSIONS

WEIGHT
117.5 lbs

LENGTH
30.3"



H-Series Heater

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Product dimensions and weight for the Hayward W3H135FDP H-Series Pool Heater.

VIEWS

RIGHT



FRONT



LEFT



REAR



H-Series Heater



Various views of the Hayward W3H135FDP H-Series Pool Heater, illustrating its design from different angles.

9. WARRANTY AND SUPPORT

Hayward provides a limited warranty for its products. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Hayward website.

For technical assistance, parts, or service, please contact Hayward customer support:

- **Website:** www.hayward.com
- **Phone:** Refer to the Hayward website for regional contact numbers.

When contacting support, please have your model number (W3H135FDP) and serial number ready.