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## HAPPYGRILL CA-HG3940

# Happygrill CA-HG3940 Propane Gas Grill User Manual

Model: CA-HG3940

## 1. IMPORTANT SAFETY INFORMATION

Please read this entire manual before assembly and use of your Happygrill propane gas grill. Failure to follow these instructions could result in property damage, bodily injury, or death. Keep this manual for future reference.

### General Safety Precautions:

- **FOR OUTDOOR USE ONLY.** Do not operate this appliance inside any building, garage, or other enclosed area.
- Do not store or use gasoline or other flammable liquids or vapors in the vicinity of this or any other appliance.
- An LP cylinder not connected for use shall not be stored in the vicinity of this or any other appliance.
- Always ensure the grill is placed on a level, stable surface.
- Keep children and pets away from the grill at all times.
- Never leave a lit grill unattended.
- Use heat-resistant gloves when handling hot surfaces.

### Propane Gas Safety:

- This grill is designed for use with a standard 20 lb (9 kg) propane (LP) gas cylinder only.
- Always connect and disconnect the LP cylinder outdoors and away from ignition sources.
- Perform a leak test on all gas connections before initial use and after any cylinder change.
- Do not store a spare LP cylinder under or near this appliance.
- If you smell gas, immediately turn off the gas supply at the cylinder, extinguish any open flame, and open the grill lid. If odor persists, contact your gas supplier or fire department.

## 2. PRODUCT OVERVIEW

The Happygrill CA-HG3940 is a versatile 2+1 burner propane gas grill designed for outdoor cooking. It features a total heat output of 30,000 BTU, including two main burners and one side burner, each with independent control. The grill is equipped with porcelain-enameled grates for even heat distribution and retention, a warming rack, and convenient storage options.



Figure 2.1: Happygrill CA-HG3940 Propane Gas Grill in an outdoor setting, demonstrating its use for grilling and side burner cooking.

### Key Features:

- **Powerful Heating:** Two 9,000 BTU main burners and one 12,000 BTU side burner for a total of 30,000 BTU.
- **Precise Control:** Independent knob control for each burner and 2 flame tamers for even heat.
- **Durable Cooking Surfaces:** High-quality porcelain-enameled metal grates for superior heat retention and sear marks.
- **Ample Cooking Area:** 290 sq.in grilling rack and a 126 sq.in warming rack.
- **Mobility:** Two large wheels with non-slip textures for easy movement and two support legs for stability.
- **Integrated Thermometer:** For accurate temperature monitoring.
- **Storage Solutions:** Spacious bottom rack, side table, front rack, and integrated tank holder.
- **Easy Maintenance:** Includes a grease cup and removable grates.

### 3. SETUP AND ASSEMBLY

Assembly of the Happygrill CA-HG3940 is required. Please refer to the separate assembly instructions included in your package for detailed, step-by-step guidance. Ensure all parts are present before beginning assembly.

#### Before You Begin:

- Unpack all components and verify against the parts list in the assembly manual.
- Gather necessary tools (typically a screwdriver and wrench, not included).
- Choose a suitable outdoor location for assembly, ensuring adequate space and ventilation.

#### Connecting the Propane Tank:

This grill requires a standard 20 lb (9 kg) LP gas cylinder (not included).

1. Ensure all burner control knobs are in the "OFF" position.
2. Place the LP cylinder securely in the integrated tank holder at the bottom of the grill.
3. Connect the gas regulator hose to the LP cylinder valve. Turn the coupling nut clockwise until it is fully tightened. Do not overtighten.
4. Perform a leak test as described below.

#### Leak Testing:

Always perform a leak test before initial use and after every LP cylinder change or if the grill has been moved.

1. Mix a solution of equal parts liquid dish soap and water.
2. Ensure all burner control knobs are in the "OFF" position.
3. Turn on the LP cylinder valve slowly.
4. Apply the soap solution to all gas connections, including the regulator connection to the cylinder, the hose connections to the manifold, and the burner connections.
5. Look for bubbles. If bubbles appear, there is a leak. Immediately turn off the gas supply at the cylinder. Retighten the connection and retest. If the leak persists, do not use the grill and contact customer support.
6. If no bubbles appear, the connections are secure. Turn off the gas supply at the cylinder and wipe off any excess solution.

### 4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your Happygrill propane gas grill.

# 30,000 BTU Total Heat Output



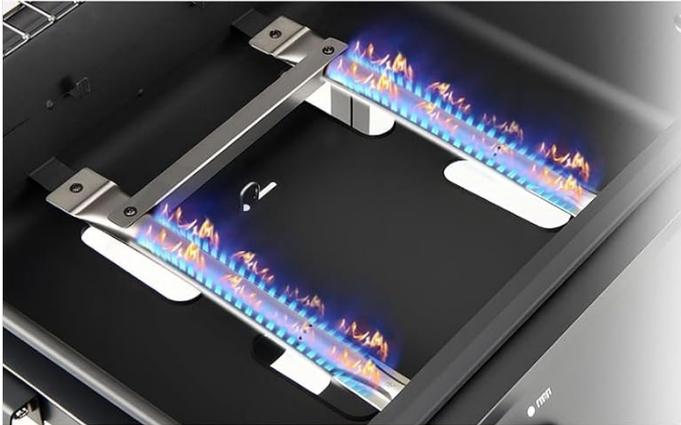
High-Efficiency  
Heating



Even Heat  
Distribution



Independent  
Control



2 Flame Tamers

◀ 2 x 9,000 BTU Main Burners

1 x 12,000 BTU Side Burner ▶



**Figure 4.1:** Illustration of the grill's powerful heating system, featuring two 9,000 BTU main burners and one 12,000 BTU side burner.

## Lighting the Main Burners:

1. Ensure the grill lid is open.
2. Turn on the gas supply at the LP cylinder valve.
3. Push and turn any main burner control knob to the "HIGH" position. You should hear a clicking sound as the igniter sparks.
4. If the burner does not light within 5 seconds, turn the knob to "OFF", wait 5 minutes for gas to dissipate, and repeat the lighting procedure.
5. Once lit, you can adjust the flame by turning the knob between "HIGH" and "LOW".
6. Repeat for other main burners as needed.

## Lighting the Side Burner:

1. Open the side burner lid.
2. Turn on the gas supply at the LP cylinder valve.

3. Push and turn the side burner control knob to the "HIGH" position.
4. If the burner does not light within 5 seconds, turn the knob to "OFF", wait 5 minutes, and repeat.
5. Adjust flame as desired.
6. Close the side burner lid when not in use.

### Pre-heating:

For best cooking results, pre-heat the grill for 10-15 minutes with the lid closed on "HIGH" setting. The built-in thermometer will help monitor the internal temperature.



Figure 4.2: Detailed view of the grilling area, highlighting the 290 sq.in grilling rack and 126 sq.in warming rack, suitable for various foods.

### Cooking:

- Place food on the porcelain-enameled grilling rack.
- Use the warming rack for keeping cooked food warm or for indirect cooking.
- Monitor food temperature with a meat thermometer (not included) to ensure safe cooking.

- The cool-to-touch handles provide safety during cooking.

## Shutting Down the Grill:

1. Turn all burner control knobs to the "OFF" position.
2. Turn off the gas supply at the LP cylinder valve.
3. Allow the grill to cool completely before cleaning or moving.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Happygrill propane gas grill.



Figure 5.1: Key components for maintenance and operation, including the grease cup, igniting knobs, gas regulator, functional thermometer, and removable porcelain-enameled grills.

## Cleaning the Cooking Grates:

- After each use, once the grill has cooled, brush off any food residue from the porcelain-enameled grates.
- For stubborn residue, remove the grates and wash with warm, soapy water. Rinse thoroughly and dry completely before placing back in the grill.

### Grease Management:

- The integrated grease cup collects drippings. Regularly check and empty the grease cup to prevent flare-ups and maintain cleanliness.
- Clean the grease cup with warm, soapy water.

### Exterior Cleaning:

- Wipe down exterior surfaces with a damp cloth and mild detergent.
- Avoid abrasive cleaners or steel wool, which can damage the finish.

### Storage:

- When not in use, especially for extended periods, store the grill in a dry, protected area.
- Disconnect the LP cylinder and store it outdoors in a well-ventilated area, away from direct sunlight or heat sources.
- The large wheels allow for effortless movement for storage.

## 6. TROUBLESHOOTING

If you encounter issues with your grill, refer to the following common troubleshooting steps.

Problem	Possible Cause	Solution
Burner fails to light with igniter.	No gas flow; clogged burner port; faulty igniter electrode.	Check LP cylinder gas level and valve. Ensure all connections are tight. Clean burner ports. Contact customer support if igniter is faulty.
Low flame or uneven heat.	Low gas pressure; partially clogged burner; regulator issue.	Check LP cylinder gas level. Clean burner ports. Ensure regulator is properly connected and not in bypass mode (reset by turning off grill, disconnecting cylinder, waiting 30s, reconnecting, and slowly opening cylinder valve).
Flare-ups.	Excess grease buildup; high heat setting.	Clean grease cup and cooking grates regularly. Reduce heat setting. Trim excess fat from food.
Gas odor.	Gas leak.	Immediately turn off gas at cylinder. Perform a leak test. If leak persists, do not use and contact emergency services or customer support.

## 7. SPECIFICATIONS

Detailed specifications for the Happygrill CA-HG3940 Propane Gas Grill.

# Product Dimensions



Figure 7.1: Diagram illustrating the overall dimensions of the Happygrill CA-HG3940 Propane Gas Grill.

Feature	Detail
Model Number	CA-HG3940
Overall Dimensions (L x W x H)	43" x 20" x 38" (108 x 51 x 96 cm)
Cooking Grate Dimensions (L x W)	19" x 15" (48.5 x 38.5 cm)
Warming Grate Dimensions (L x W)	17.5" x 7.5" (44 x 18.5 cm)
Total Cooking Surface Area	416 sq. inches (290 sq.in grilling + 126 sq.in warming)
Main Burner Count	2
Main Burner BTU	2 x 9,000 BTU
Side Burner Count	1
Side Burner BTU	1 x 12,000 BTU

Feature	Detail
Total Heat Output	30,000 BTU
Fuel Type	Propane Gas (LP)
Required LP Tank	Standard 20 lbs (not included)
Material	Metal, Stainless Steel (Porcelain-enameled grates)
Color	Black
Net Weight	33.5 lbs (15 kg)
Special Features	Storage Rack, Side Table, Front Rack, Wheels, Thermometer, Grease Cup
Assembly Required	Yes

## 8. WARRANTY AND SUPPORT

### Warranty Information:

This Happygrill product comes with a **30-day return policy**. Please refer to your purchase documentation for specific terms and conditions regarding returns and warranty claims.

### Customer Support:

For assembly assistance, missing parts, or any operational questions not covered in this manual, please contact Happygrill customer support. Have your model number (CA-HG3940) and purchase information ready when contacting support.

*Contact information (e.g., website, email, phone number) can typically be found on the product packaging or the retailer's website where the product was purchased.*

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For more information, visit [the HAPPYGRILL Store on Amazon](#).