

COSMO COS-965AGFC-BKS

COSMO COS-965AGFC-BKS 36-inch Gas Range User Manual

Model: COS-965AGFC-BKS | Brand: COSMO

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your COSMO COS-965AGFC-BKS 36-inch Gas Range. Please read this manual thoroughly before using the appliance and retain it for future reference.

The COSMO COS-965AGFC-BKS is a 36-inch single oven gas range from the Nebula Collection, featuring 5 high-performance burners and a 3.8 cu. ft. rapid convection oven. It is designed for precision cooking and durability.

2. SAFETY INFORMATION

WARNING: Gas appliances can cause minor exposure to benzene, carbon monoxide, formaldehyde, and other carcinogens or reproductive toxicants. For more information go to www.P65Warnings.ca.gov.

Always follow basic safety precautions when using this appliance to reduce the risk of fire, electric shock, burns, or injury to persons.

- Read all instructions before using the appliance.
- Ensure proper installation and grounding by a qualified technician.
- Do not store flammable materials in or near the appliance.
- Never use the appliance for space heating.
- Keep children away from the appliance during operation.
- Use dry potholders; moist or damp potholders on hot surfaces may result in burns from steam.
- Do not touch heating elements or interior surfaces of the oven during or immediately after use.
- Always turn off all controls when cooking is complete.
- In case of a gas leak, do not operate any electrical switches, light matches, or use a phone. Immediately evacuate the area and call your gas supplier.

3. PRODUCT OVERVIEW

The COSMO COS-965AGFC-BKS gas range combines a powerful cooktop with a versatile convection oven, designed for modern kitchens.



Figure 3.1: Front view of the COSMO COS-965AGFC-BKS 36-inch Gas Range. It features a matte black finish, stainless steel cooktop, control panel with digital display, and a large oven door with a handle.



Figure 3.2: Top-down view of the cooktop, showing five sealed burners with heavy-duty cast iron grates. The burner configuration includes a central triple-ring burner.

Key Features:

- **Cooktop:** Five sealed high-performance gas burners with varying BTU outputs for diverse cooking needs. Heavy-duty cast iron grates for heat retention and distribution.
- **Oven:** 3.8 cu. ft. capacity convection oven with 5 functions (Bake, Roast, Broil, Fan Convection, Light). Equipped with 14,000 BTU Bake Burner and 5,800 BTU Broil Burner.
- **Controls:** Push-and-turn stainless steel ignition knobs and a built-in digital display with electronic controls for setting clock and timer.
- **Construction:** Durable matte black finish with a stainless steel cooktop panel and handle.
- **Safety:** Enhanced safety features including cooling ventilation and safe heat dissipation.

4. SETUP AND INSTALLATION

This appliance is designed for slide-in installation. Proper installation is crucial for safe and efficient operation. It is recommended that installation be performed by a qualified installer or service agency.

4.1 Unpacking

Carefully remove all packaging materials. Inspect the range for any shipping damage. Do not discard packaging until the appliance has been tested and is operating correctly.

4.2 Location Requirements

- Ensure the installation area has adequate ventilation.
- The range requires a 120V/15A electrical supply with a 3-prong plug.
- Ensure proper gas supply connections are available. A liquid propane conversion kit is sold separately if needed.
- Dimensions: 35.5" (W) x 23.63" (D) -OR- 24.94" (D) with Backsplash, Adjustable 35" - 37" (H).

4.3 Connecting Gas and Electrical Supply

All gas and electrical connections must comply with local codes and ordinances. Use the included gas connector and hardware for installation. A qualified technician should perform these connections.

4.4 Leveling the Range

The range comes with adjustable legs. Use a level to ensure the appliance is perfectly level after installation to prevent spills and ensure even cooking.



Figure 4.1: The gas range installed in a kitchen, demonstrating its slide-in design and matte black finish complementing kitchen cabinetry.

5. OPERATING INSTRUCTIONS

Familiarize yourself with the controls before operating the range.



Figure 5.1: Close-up view of the push-and-turn stainless steel ignition knobs for the cooktop burners and oven functions.

5.1 Cooktop Operation

The cooktop features five sealed burners, each controlled by a dedicated push-and-turn knob.

- **Burner Configuration:**
 - One 17,400 BTU triple ring burner (typically central)
 - One 8,200 BTU rapid burner
 - Two 6,900 BTU semi-rapid burners
 - One 5,000 BTU auxiliary burner
- **Ignition:** Push the desired burner knob in and turn it counter-clockwise to the "HIGH" position. Hold for a few seconds until the burner ignites. Adjust the flame size by turning the knob between "HIGH" and "LOW" settings.
- **Flame Adjustment:** The flame should be stable and blue. Adjust the flame size to match the bottom of your cookware. A flame that extends beyond the cookware wastes energy.
- **Cast Iron Grates:** The heavy-duty cast iron grates provide stable support for cookware and distribute heat evenly.

5.2 Oven Operation

The 3.8 cu. ft. oven offers rapid convection technology and multiple cooking functions.



Figure 5.2: Detailed view of the digital display showing the time (12:10) and

electronic controls for setting the timer and clock.

- **Oven Functions:**

- **Bake:** Uses the 14,000 BTU bake burner for standard baking.
 - **Roast:** Combines heat from the bake burner for roasting.
 - **Broil:** Uses the 5,800 BTU broil burner for intense top-down heat.
 - **Fan Convection:** Activates the convection fan to circulate hot air, ensuring even cooking and faster results.
 - **Light:** Turns on the interior oven light.
- **Setting Temperature and Time:** Use the electronic controls and digital display to set the desired oven temperature and cooking time. Refer to the specific instructions in the full manual for detailed programming steps.
 - **Preheating:** Always preheat the oven to the desired temperature before placing food inside, especially for baking.
 - **Oven Racks:** The oven is equipped with 2 racks. Adjust their positions to suit your cooking needs.



Figure 5.3: Interior view of the 3.8 cu. ft. oven, showing the two adjustable racks and the oven light.

6. MAINTENANCE AND CLEANING

Regular cleaning and maintenance will ensure the longevity and optimal performance of your gas range.

6.1 Cooktop Cleaning

- **Grates:** Allow cast iron grates to cool completely. They can be washed with warm soapy water or placed in a dishwasher. Dry thoroughly to prevent rust.
- **Burner Caps and Bases:** Remove burner caps and bases when cool. Clean with warm soapy water and a non-abrasive brush. Ensure they are completely dry before reassembling.
- **Stainless Steel Surface:** Clean the stainless steel cooktop panel with a soft cloth and a non-abrasive stainless steel cleaner. Wipe in the direction of the grain.

6.2 Oven Cleaning

- **Interior:** For light spills, wipe with a damp cloth and mild detergent when the oven is cool. For heavier soil, use an oven cleaner specifically designed for gas ovens, following the product instructions carefully.

- **Oven Racks:** Remove racks and clean with warm soapy water. For stubborn stains, a non-abrasive scrubber can be used.
- **Oven Door:** Clean the glass and exterior surfaces with a soft cloth and mild glass cleaner.

6.3 General Maintenance

- Periodically check gas connections for leaks (using soapy water, not flame).
- Ensure cooling ventilation openings are not obstructed.
- Replace oven light bulbs as needed (included in "whats_in_the_box").

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your gas range. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Burner does not ignite.	Gas supply off; burner ports clogged; igniter wet.	Check gas valve; clean burner ports; ensure igniter is dry.
Oven not heating.	Oven not set correctly; gas supply off; power interruption.	Verify oven settings; check gas valve; check circuit breaker.
Uneven cooking in oven.	Oven not preheated; improper rack position; convection fan issue.	Allow full preheat; adjust rack position; ensure convection fan is operating (if applicable).
Gas odor.	Minor leak; unlit burner.	Ensure all burners are off and unlit gas has dissipated. If odor persists, evacuate and call gas company.

8. SPECIFICATIONS

Detailed technical specifications for the COSMO COS-965AGFC-BKS Gas Range.

- **Brand:** COSMO
- **Model Info:** COS-965AGFC-BKS
- **Item Weight:** 200 pounds
- **Package Dimensions:** 37 x 35 x 27 inches
- **Capacity:** 3.8 Cubic Feet (Oven)
- **Installation Type:** Slide-In
- **Form Factor:** Single Oven
- **Burner Type:** Sealed
- **Drawer Type:** No Drawer
- **Color:** Black
- **Control Console:** Knob
- **Voltage:** 120 Volts
- **Amperage:** 15 Amps
- **Racks:** 2
- **Certification:** ETL

- **Material Type:** Stainless Steel
- **Included Components:** Bulb(s), Gas Connector, Hardware, Installation Kit
- **Cooktop Burner BTUs:**
 - 1 x 17,400 BTU Triple Ring Burner
 - 1 x 8,200 BTU Rapid Burner
 - 2 x 6,900 BTU Semi-Rapid Burners
 - 1 x 5,000 BTU Auxiliary Burner
- **Oven Burner BTUs:**
 - 14,000 BTU Bake Burner
 - 5,800 BTU Broil Burner
- **Product Dimensions (W x D x H):** 35.5" x 23.63" (or 24.94" w/ Backsplash) x Adjustable 35" - 37"

9. WARRANTY AND SUPPORT

Your COSMO COS-965AGFC-BKS Gas Range comes with a 1-Year Limited Warranty.

9.1 Warranty Information

This warranty covers defects in materials and workmanship for a period of one year from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty does not cover damage resulting from improper installation, misuse, abuse, or normal wear and tear.









9.2 Customer Support


Our customer support team is based in the USA and is available to assist you with any questions, troubleshooting, or warranty claims. For assistance, please refer to the contact information provided with your product documentation or visit the official COSMO website.



© 2025 COSMO. All rights reserved.

Related Documents - COS-965AGFC-BKS

<div><p>GAS RANGE COS-965AGC COS-965AGFC</p><p>36-IN FREESTANDING RANGE</p><p>USER MANUAL</p><p><small>IMPORTANT: Read and follow all safety instructions and warnings. Failure to do so may result in property damage, injury, or death. For more information, please visit our website at www.cosmoappliances.com. ©2017 Cosmo Appliances, Inc.</small></p></div>	<p>Cosmo COS-965AGC / COS-965AGFC 36-Inch Freestanding Gas Range User Manual</p> <p>Comprehensive user manual for the Cosmo COS-965AGC and COS-965AGFC 36-inch freestanding gas ranges, covering safety, operation, care, and troubleshooting.</p>
<div><p>GAS RANGE COS-965AGC COS-965AGFC</p><p>36-IN FREESTANDING RANGE</p><p>USER MANUAL</p><p><small>IMPORTANT: Read and follow all safety instructions and warnings. Failure to do so may result in property damage, injury, or death. For more information, please visit our website at www.cosmoappliances.com. ©2017 Cosmo Appliances, Inc.</small></p></div>	<p>Cosmo COS-965AGC / COS-965AGFC 36-Inch Freestanding Gas Range User Manual</p> <p>Comprehensive user manual for the Cosmo COS-965AGC and COS-965AGFC 36-inch freestanding gas ranges, covering safety instructions, operation, care, and troubleshooting.</p>
<div><p>INSPIRING THE WORLD'S KITCHEN</p><p>WALL MOUNT RANGE HOOD</p><p>COS-63175 COS-668WRC75 COS-63190 COS-668WRC90 COS-63175S COS-668WRC375 COS-63190S COS-668WRC390</p><p>COS-668A750 COS-668A900 COS-668AS750 COS-668AS900</p><p><small>IMPORTANT SAFETY INFORMATION: Read and follow the following instructions for proper installation, operation, and maintenance. Failure to do so may result in property damage, injury, or death.</small></p><p>INSTALLATION GUIDE & USER MANUAL</p></div>	<p>Cosmo Wall Mount Range Hood Installation Guide and User Manual</p> <p>Comprehensive installation guide and user manual for Cosmo Wall Mount Range Hoods, covering safety instructions, parts, installation steps, maintenance, troubleshooting, and warranty information for models like COS-63175 and COS-668A750.</p>
<div><p>INSPIRING THE WORLD'S KITCHEN</p><p>WALL MOUNT RANGE HOOD</p><p>COS-63175 COS-668A750 COS-668WRC75 COS-63190 COS-668A900 COS-668WRC90 COS-63175S COS-668A3750 COS-668WRC375 COS-63190S COS-668A3900 COS-668WRC390</p><p>WATCH QUICK START GUIDE Scan QR code to view Quick Start Guide</p><p><small>IMPORTANT SAFETY INFORMATION: Read and follow the following instructions for proper installation, operation, and maintenance. Failure to do so may result in property damage, injury, or death.</small></p><p>INSTALLATION GUIDE & USER MANUAL</p></div>	<p>Cosmo Wall Mount Range Hood Installation Guide & User Manual</p> <p>Comprehensive installation guide and user manual for Cosmo Wall Mount Range Hoods, including safety instructions, parts lists, installation steps, maintenance, and troubleshooting for models like COS-63175, COS-668WRC75, and COS-6324EWH.</p>
<div><p>SPECIFICATIONS</p><p>COS-MWD3012NHBK</p><p>Features:</p><ul style="list-style-type: none">1000W Power1.2 cu. ft. Capacity10 Power LevelsVarious Presets</div>	<p>Cosmo COS-MWD3012NHBK Microwave Drawer: Specifications and Dimensions</p> <p>Detailed specifications and dimensions for the Cosmo COS-MWD3012NHBK 30-inch built-in microwave drawer. Features 1000W power, 1.2 cu. ft. capacity, 10 power levels, and various presets for convenient kitchen use.</p>

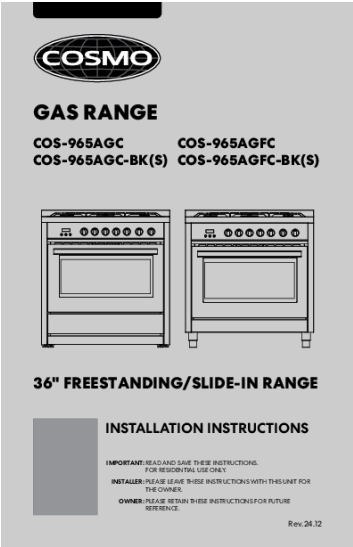


COSMO APPLIANCES
30 IN. DUAL FUEL
FREE-STANDING RANGE
CUIVRE AUTOPORTANTE
A-B COMESTIBLE DE 30 PO
COS-305DFSC
USER MANUAL
GUIDE DE L'UTILISATEUR

[COSMO COS-305DFSC 30-Inch Dual Fuel Free-Standing Range User Manual](#)

This user manual provides comprehensive guidance for the COSMO COS-305DFSC 30-inch dual fuel free-standing range, covering essential safety precautions, detailed operation instructions for the cooktop and oven, maintenance tips, and troubleshooting advice.

Documents - COSMO – COS-965AGFC-BKS



[\[pdf\]](#) User Manual Instructions

Cosmo Staff WC GAS RANGEWall mounting anti tip anchor hooks for COS 965AGFC BK BKS The bracket uses a pin near the rear bottom of range to secure the 71387694lowes productdocuments e078e532 0942 4d5a 8e62 267cc65425db 71387694 Installation ManualGAS RANGECOS 36" Professional Style Gas Range Matte Black AppliancesWall the COS Instructions Rev 24 12 12cosmoappliances 2025 06 12lowes ManualOwner AppliancesCosmo 36 In Nebula Collection 3 8 Cu Ft 5 Burners Rapid Convection Oven Cast Iron Grates Reviews WayfairWall 12cos 965ag f c bk bks installation instructions rev 12assets wfcndm document 526b8071 21dd 4a6f a176 08129c5aaa8e cos ||| ||| GAS RANGE COS-965AGC COS-965AGFC COS-965AGC-BK S COS-965AGFC-BK S 36 FREESTANDING/SLIDE-IN RANGE INSTALLATION INSTRUCTIONS IMPORTANT: READ AND SAVE THESE INSTRUCTIONS. FOR RESIDENTIAL USE ONLY. INSTALLER: PLEASE LEAVE THESE INSTRUCTIONS WIT ||| GAS RANGE COS-965AGC COS-965AGFC COS-965AGC-BK S COS-965AGFC-BK S 36 FREESTANDING/SLIDE-IN RANGE INSTALLATION INSTRUCTIONS IMPORTANT: READ AND SAVE THESE INSTRUCTIONS. FOR RESIDENTIAL USE ONLY. INSTALLER: PLEASE LEAVE THESE INSTRUCTIONS WIT GAS RANGE COS-965AGC COS-965AGFC COS-965AGC-BK S COS-965AGFC-BK S 36 FREESTANDING/SLIDE-IN RANGE INSTALLATION INSTRUCTIONS IMPORTANT: READ AND SAVE THESE INSTRUCTIONS. FOR RESIDENTIAL USE ONLY. INSTALLER: PLEASE LEAVE THESE INSTRUCTIONS WITH THIS UNIT FOR THE OWNER. OWNER: PLEASE RETAIN THESE...

lang:en score:45 filesize: 3.15 M page_count: 60 document date: 2024-12-13

[pdf] User Manual Owner's Manual Instructions

Cosmo Staff WC GAS RANGEPLEASE RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE
IMPORTANT INSTALLER OWNER 36 FREESTANDING SLIDE IN RANGE Rev 24 12 COS 965AGFC
BK S 71387692lowes productdocuments ca4a3b9c 4b15 4d39 be38 a3b07cee49d6 71387692 User

ManualGAS RANGECOS BKS 36" Professional Style Gas Range Matte Black AppliancesPLEASE COS
Manual1cosmoappliances 2025 06 1lowes Owner ManualUser RANGEcosmo In Nebula Collection 3 8
Cu Ft 5 Burners Rapid Convection Oven Cast Iron Grates Reviews WayfairCOS cos 965ag f c bk bks
user manual rev 1COS 1assets wfcdn dm document 5348a4e7 66cd 465e b12b 1e21bf0a62c1 cos ||| |||

GAS RANGE COS-965AGC COS-965AGFC COS-965AGC-BK S COS-965AGFC-BK S 36
FREESTANDING/SLIDE-IN RANGE USER MANUAL IMPORTANT: READ AND SAVE THESE
INSTRUCTIONS. FOR RESIDENTIAL USE ONLY. INSTALLER: PLEASE LEAVE THESE
INSTRUCTIONS WITH THIS UNIT FO ||| GAS RANGE COS-965AGC COS-965AGFC COS-965AGC-BK
S COS-965AGFC-BK S 36 FREESTANDING/SLIDE-IN RANGE USER MANUAL IMPORTANT: READ
AND SAVE THESE INSTRUCTIONS. FOR RESIDENTIAL USE ONLY. INSTALLER: PLEASE LEAVE
THESE INSTRUCTIONS WITH THIS UNIT FO

GAS RANGE COS-965AGC COS-965AGFC COS-965AGC-BK S COS-965AGFC-BK
S 36 FREESTANDING/SLIDE-IN RANGE USER MANUAL IMPORTANT: READ AND
SAVE THESE INSTRUCTIONS. FOR RESIDENTIAL USE ONLY. INSTALLER:
PLEASE LEAVE THESE INSTRUCTIONS WITH THIS UNIT FOR THE OWNER.
OWNER: PLEASE RETAIN THESE INSTRUCTIONS ...

lang:en score:43 filesize: 2.37 M page_count: 52 document date: 2024-12-13

[pdf] Specifications Dimension Guide

965AGFC BKS Specifications Jun2025 COS 36" Professional Style Gas Range Matte Black Cosmo
Appliancescosmoappliances 2025 06 AppliancesCosmo 36 In Nebula Collection 3 8 Cu Ft 5 Burners
Rapid Convection Oven Cast Iron Grates Reviews Wayfair965agfc bks specifications

jun2025cosmoappliances Jun2025assets wfcdn dm document 454de511 7202 428f a897 bfba8a7c5ff9
965agfc jun2025 ||| ||| SPECIFICATIONS COS-965AGFC-BKS Gas Range Size Fuel Installation Controls
Oven Finish Electrical Racks Oven Functions Burners 36 Inch / 3.8 cu. ft. Capacity Gas Freestanding /
Slide-In Full Metal Knobs Convection Matte Black, Stainless Steel

SPECIFICATIONS **COS-965AGFC-BKS** Gas Range Size Fuel Installation Controls
Oven Finish Electrical Racks Oven Functions Burners 36 Inch / 3.8 cu. ft. Capacity
Gas Freestanding / Slide-In Full Metal Knobs Convection Matte Black, Stainless Steel
120V, 15A 2 Racks, 5 Positions Bake, Roast, Broil, Fan Co...

lang:en score:31 filesize: 4.86 M page_count: 2 document date: 2025-06-04

[Cosmo COS-965AGFC-BKS 36-Inch Gas Range: Specifications & Dimensions](#)

Explore the detailed specifications and dimensions for the Cosmo COS-965AGFC-
BKS 36-inch freestanding/slide-in gas range. Features include 5 high-performance
burners, a 3.8 cu. ft. convection oven, and digital controls.

lang:en score:27 filesize: 4.86 M page_count: 2 document date: 2025-06-04

