

Dukers D55R-GS2

Dukers D55R-GS2 Commercial Refrigerator Instruction Manual

1. OVERVIEW

The Dukers D55R-GS2 is a high-capacity, two-door commercial reach-in refrigerator designed for professional kitchen and food service environments. It features a bottom-mounted compressor, two tempered glass doors, and a spacious 40.7 cubic feet interior. The unit maintains a consistent temperature range of 33°F to 41°F, ensuring optimal preservation of refrigerated goods. Key features include digital temperature controls with an LED display, automatic defrost, and energy-efficient LED interior lighting.

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Dukers D55R-GS2 refrigerator.



Image 1.1: Dukers D55R-GS2 Commercial Refrigerator showing overall dimensions (Width: 55.1 inches, Depth: 32.3 inches, Height: 80.2 inches).

2. SETUP

2.1 Unpacking

Carefully remove all packaging materials, including tape, foam, and protective films, from the exterior and interior of the refrigerator. Inspect the unit for any shipping damage. Report any damage to the carrier immediately.

2.2 Placement

Position the refrigerator on a level, stable surface capable of supporting its weight (approximately 463 pounds when empty, plus contents). Ensure adequate clearance around the unit for proper ventilation. Avoid placing the unit near heat sources such as ovens, grills, or direct sunlight. Maintain at least 6 inches of space from walls or other equipment to allow for proper airflow to the condenser.

2.3 Leveling

The unit is equipped with casters for mobility. Use the stabilizing brakes on the casters to secure the unit in place and ensure it is level. Proper leveling is crucial for efficient operation and door sealing.

2.4 Initial Cleaning

Before first use, clean the interior and exterior surfaces with a mild, non-abrasive detergent and warm water. Rinse thoroughly and dry with a soft cloth. Ensure all shelves and accessories are clean before loading products.

2.5 Power Connection

Connect the refrigerator to a dedicated 115V/60Hz, 8.6 Amp electrical outlet. The unit comes with a 9 ft. power cord and a NEMA 5-15P plug. Do not use extension cords or adapters, as this can pose a fire hazard and impair performance.

2.6 Initial Startup

After placement and power connection, allow the unit to stand for at least 2-4 hours before plugging it in. This allows the refrigerant to settle. Once plugged in, set the desired temperature using the digital controls. Allow the refrigerator to reach the set temperature before loading with products.

3. OPERATING INSTRUCTIONS

3.1 Power On/Off

The main power switch is located on the control panel. Flip the switch to the 'ON' position to power the unit and to the 'OFF' position to shut it down.

3.2 Temperature Control

The Dukers D55R-GS2 features digital controls with an LED display for precise temperature management. The factory preset temperature range is 33°F to 41°F. Refer to the specific controller manual for detailed instructions on adjusting the temperature settings. Typically, 'SET' button is used to view and modify the set point, and arrow buttons are used to increase or decrease the value.

3.3 Automatic Defrost

This refrigerator is equipped with an automatic defrost system, eliminating the need for manual defrosting. The system periodically melts away frost buildup on the evaporator coil, ensuring efficient cooling performance.

3.4 Loading Products

Distribute products evenly across the adjustable wire shelves. Avoid overloading shelves or blocking the internal air circulation vents, as this can hinder cooling efficiency. Ensure sufficient space between items for proper airflow.

3.5 Door Operation

The unit features automatic swing doors with locks for security. Ensure the doors close completely after each use to maintain the internal temperature and prevent energy loss. Check the door gaskets regularly for proper sealing.

Your browser does not support the video tag.

Video 3.1: This video demonstrates key features of the Dukers D55R-GS2 refrigerator, including digital temperature control, automatic swing doors with locks, casters with brakes for mobility, high-density foam insulation, advanced 360° air cooling system, durable adjustable shelves, removable door gaskets for easy cleaning, and a stainless steel interior with rounded corners.

4. MAINTENANCE

Regular maintenance is essential to ensure the longevity and efficient operation of your Dukers D55R-GS2 refrigerator. Always unplug the unit from the power supply before performing any maintenance or cleaning.

4.1 Interior and Exterior Cleaning

Clean the interior and exterior surfaces weekly with a mild, non-abrasive detergent and warm water. The stainless steel interior with rounded corners is designed for easy cleaning and to prevent debris buildup. Avoid using harsh chemicals, abrasive cleaners, or steel wool, as these can damage the surfaces.

4.2 Door Gasket Maintenance

Inspect door gaskets monthly for cracks, tears, or signs of wear. Clean the gaskets with warm water and a mild detergent. The gaskets are removable for thorough cleaning, which helps prevent contamination and residue buildup. Ensure gaskets are properly reinstalled and provide a tight seal after cleaning.

4.3 Condenser Coil Cleaning

The condenser coil should be cleaned regularly, ideally monthly, to maintain optimal cooling efficiency and prevent compressor strain. Dust and debris can accumulate on the coils, reducing heat exchange. Use a stiff brush or vacuum cleaner with a brush attachment to remove dirt from the condenser fins. Ensure the unit is unplugged before cleaning the condenser.

4.4 Shelf Cleaning

The durable wire shelves can be removed for cleaning. Wash them with warm, soapy water, rinse thoroughly, and dry before returning them to the unit.

5. TROUBLESHOOTING

Before contacting service, review the following common issues and solutions:

- **Unit Not Cooling:**

- Check if the power cord is securely plugged into a live outlet.
- Verify the main power switch is in the 'ON' position.
- Ensure the temperature setting is appropriate (between 33°F and 41°F).
- Check if the condenser coils are clean and free of obstructions.
- Confirm that the doors are closing completely and the gaskets are sealing properly.

- **Excessive Noise:**

- Ensure the unit is level. Adjust casters if necessary.
- Check for any loose components or items inside the cabinet that may be vibrating.
- Verify that the condenser fan and evaporator fan are operating without obstruction.

- **Water on Floor (Leakage):**

- Inspect the drain pan for cracks or overflow.
- Check the drain line for clogs or kinks.
- Ensure door gaskets are sealing tightly to prevent condensation buildup.

- **Temperature Fluctuations:**

- Avoid leaving doors open for extended periods.
- Do not overload the refrigerator, as this can restrict airflow.
- Clean the condenser coils to ensure efficient heat dissipation.
- Verify the ambient room temperature is within the recommended operating range for commercial refrigeration.

If problems persist after performing these checks, contact a qualified service technician.

6. SPECIFICATIONS

Feature	Specification
Brand	Dukers
Model	D55R-GS2
Type	Bottom Mount Glass 2-Door Commercial Reach-in Refrigerator
Capacity	40.7 Cubic Feet
Dimensions (W x D x H)	55.13 x 32.63 x 80.38 inches
Item Weight	463 Pounds
Power	1 HP, 115V/60Hz, 8.6 Amps, 730 Watts
Temperature Range	33°F to 41°F
Defrost System	Automatic
Number of Doors	2
Door Material Type	Glass (Tempered, UV blocking)
Shelves	8 Wire Shelves
Noise Level	45 Decibels
Included Components	9 ft. power cord
Certifications	NSF, cETLus, ETL-Listed, ETL Sanitation
Special Features	Automatic Defrost, Digital controls with LED display, Tempered glass, UV blocking

7. WARRANTY AND SUPPORT

7.1 Manufacturer Warranty

The Dukers D55R-GS2 Commercial Refrigerator comes with a manufacturer's warranty valid for commercial locations only:

- **3 Year Parts & Labor**
- **5 Year Compressor**

Please note: There is no warranty coverage for residential locations. Keep your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, parts, or warranty inquiries, please contact Dukers customer support. Refer to your purchase documentation or the Dukers official website for contact information.