True T-49-HC

True T-49-HC Reach-In Solid Swing Door Refrigerator User Manual

Model: T-49-HC

1. Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of your True T-49-HC Reach-In Solid Swing Door Refrigerator. Please read this manual thoroughly before operating the unit to ensure proper function and longevity. Retain this manual for future reference.



Figure 1: Front view of the True T-49-HC Reach-In Solid Swing Door Refrigerator. This image displays the stainless steel exterior with two solid doors and the bottom-mounted refrigeration system.

2. Safety Information

Always observe the following safety precautions to reduce the risk of fire, electric shock, injury, or damage to the unit.

- **Electrical Safety:** Ensure the unit is connected to a properly grounded, dedicated electrical circuit with the correct voltage as specified on the unit's data plate. Do not use extension cords or adapter plugs. Disconnect power before cleaning or servicing.
- **Refrigerant Safety:** This unit uses R290 hydrocarbon refrigerant, which is flammable. Service should only be performed by qualified personnel. Do not puncture the refrigerant lines.
- **Installation:** Install the unit on a level, sturdy surface capable of supporting its weight. Ensure adequate ventilation around the unit, especially for the condenser coil.
- **Cleaning:** Always unplug the unit from the power supply before cleaning. Use non-abrasive cleaners.
- **Moving the Unit:** Use appropriate lifting techniques and equipment when moving the unit due to its weight (approximately 450 lbs).
- **Children:** Do not allow children to play with or around the refrigerator.

3. Setup and Installation

3.1 Unpacking

1. Carefully remove all packaging materials, including tape and protective film.
2. Inspect the unit for any shipping damage. Report any damage immediately to the carrier and your supplier.
3. Remove all internal packing materials and accessories.

3.2 Location

- Place the refrigerator on a strong, level floor capable of supporting the unit's weight when fully loaded.
- Ensure adequate clearance for air circulation around the unit. Maintain at least 6 inches (15 cm) of space at the rear and sides for proper ventilation and condenser operation.
- Avoid direct sunlight, heat-producing equipment, or areas with poor ventilation, as these can affect performance and energy efficiency.
- The unit is designed for indoor use in an environment with ambient temperatures not exceeding 75°F (24°C) and 55% relative humidity.

3.3 Electrical Connection

- Before plugging in, verify that the voltage and frequency match the specifications on the unit's data plate (refer to Section 7, Specifications).
- Connect the unit to a dedicated, properly grounded electrical outlet. Do not use multi-outlet adapters or extension cords.
- The unit requires a 115/60/1 power supply with a NEMA 5-15R receptacle.

3.4 Initial Startup

1. After positioning the unit, allow it to stand upright for at least 2 hours before plugging it in. This allows compressor oils to settle.
2. Plug the unit into the dedicated electrical outlet.
3. The unit will begin to cool. Allow it to operate for several hours (e.g., 4-6 hours) empty to reach its operating temperature before loading products.
4. Verify that the internal temperature is within the desired range (typically 33°F to 38°F / 0.5°C to 3.3°C).

4. Operation

4.1 Temperature Control

The True T-49-HC refrigerator is factory-engineered to maintain product temperatures between 33°F and 38°F (0.5°C and 3.3°C) for optimal food preservation. This model does not feature an adjustable temperature control for end-users. If temperature issues arise, refer to the troubleshooting section or contact qualified service personnel.

4.2 Loading the Refrigerator

- Do not overload shelves. Ensure proper air circulation around products for efficient cooling.
- Avoid blocking the internal air vents or evaporator coil cover.
- Distribute weight evenly on shelves.

4.3 Door Usage

- Keep doors closed as much as possible to maintain internal temperature and conserve energy.
- Ensure door gaskets are clean and free of debris to maintain a tight seal.

4.4 Automatic Defrost

This unit features an automatic defrost system. Frost buildup on the evaporator coil will be periodically melted and drained. No manual defrosting is required under normal operating conditions.

5. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your refrigerator. Always disconnect power before performing any maintenance.

5.1 Cleaning the Interior

- Remove all products and shelves.
- Wash interior surfaces with a mild soap and warm water solution. Rinse with clean water and dry thoroughly.
- Do not use abrasive cleaners, steel wool, or harsh chemicals.
- Clean shelves and shelf clips separately.

5.2 Cleaning the Exterior

- Wipe exterior stainless steel surfaces with a clean cloth and a mild stainless steel cleaner or soap and water.
- Polish with a soft, dry cloth, wiping in the direction of the grain.

5.3 Cleaning Door Gaskets

- Clean door gaskets regularly with a mild soap and water solution.
- Ensure gaskets are pliable and free of cracks or tears to maintain an effective seal. Replace damaged gaskets promptly.

5.4 Condenser Coil Cleaning

The condenser coil is located at the bottom of the unit and is easily accessible for cleaning. A dirty condenser coil reduces cooling efficiency and increases energy consumption. Clean the coil monthly or as needed.

1. Disconnect power to the unit.
2. Locate the condenser coil at the bottom front of the unit.
3. Use a stiff brush or vacuum cleaner with a brush attachment to remove dust, dirt, and debris from the coil fins.
4. Ensure all debris is removed to allow for proper airflow.
5. Reconnect power after cleaning.

6. Troubleshooting

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

Problem	Possible Cause	Solution
Unit not cooling	No power; thermostat setting too high; dirty condenser coil; blocked airflow; door left open.	Check power supply and circuit breaker; ensure unit is plugged in; clean condenser coil; ensure proper loading and door closure.
Unit runs constantly	Dirty condenser coil; excessive door openings; warm ambient temperature; door gasket leak.	Clean condenser coil; minimize door openings; ensure proper ventilation; check and clean/replace door gaskets.
Excessive noise	Unit not level; loose components; fan motor issue.	Level the unit; check for loose parts; contact service if fan noise persists.
Water on floor (leaking)	Clogged drain line; drain pan overflow.	Clear any obstructions from the drain line; ensure drain pan is correctly positioned.
Door not sealing properly	Dirty or damaged door gasket; unit not level; hinges misaligned.	Clean or replace gasket; level the unit; adjust hinges if necessary.

For issues not resolved by these steps, contact a qualified service technician.

7. Specifications

Key specifications for the True T-49-HC Reach-In Refrigerator:

- **Model:** T-49-HC
- **Brand:** True Manufacturing
- **Configuration:** Compact Freezerless, Reach-In
- **Color:** Stainless Steel
- **Refrigerant:** R290 Hydrocarbon
- **Installation Type:** Freestanding
- **Cooling Method:** Compressor
- **Adjustable Temperature Control:** No (Factory set for 33°F to 38°F)
- **Electrical:** 115V/60Hz/1 Phase, 5 Amps, NEMA 5-15R Plug
- **Item Weight:** Approximately 450 Pounds (204 kg)
- **Shelves:** 6 adjustable, heavy-duty PVC coated wire shelves (24 7/8"L x 22 1/2"D)
- **Manufacturer Part Number:** 04RIFridge
- **Energy Efficiency:** Energy Efficient, 4 Star BEE Rating

Model:
T-49-HC

T-Series:
Reach-In Solid Swing Door Refrigerator with Hydrocarbon Refrigerant

STANDARD FEATURES

DESIGN
- True's commitment to using the highest quality materials and over sized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM
- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- High capacity, factory balanced refrigeration system that maintains cabinet temperatures of 33°F to 38°F (.5°C to 3.3°C) for the best in food preservation.
- State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
- Bottom mounted condensing unit positioned for easy maintenance. Compressor runs in coolest and most grease free area of the kitchen. Allows for storage area on top of unit.

CABINET CONSTRUCTION
- Exterior - Stainless steel front. Anodized quality aluminum ends. Corrosion resistant GalFan coated steel back.
- Interior - attractive, NSF approved, clear coated aluminum liner. Stainless steel floor with coved corners.
- Insulation - entire cabinet structure and solid door are foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with 4" (102 mm) diameter stem castors - locks provided on front set.

DOORS
- Stainless steel exterior with clear aluminum liner to match cabinet interior. Doors extend full width of cabinet shell. Door locks standard.
- Lifetime guaranteed recessed door handles. Each door fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- Positive seal self-closing doors. Lifetime guaranteed door hinges and torsion type closure system.
- Magnetic door gaskets of one piece construction, removable without tools for ease of cleaning.

SHELVING
- Six (6) adjustable, heavy duty PVC coated wire shelves 24 9/16"L x 22 3/8"D (624 mm x 569 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on ½" (13 mm) increments.

LIGHTING
- LED Interior lighting - safety shielded. Lights activated by rocker switch mounted above doors.

MODEL FEATURES
- Exterior temperature display.
- Evaporator is epoxy coated to eliminate the potential of corrosion.
- NSF/ANSI Standard 7 compliant for open food product.

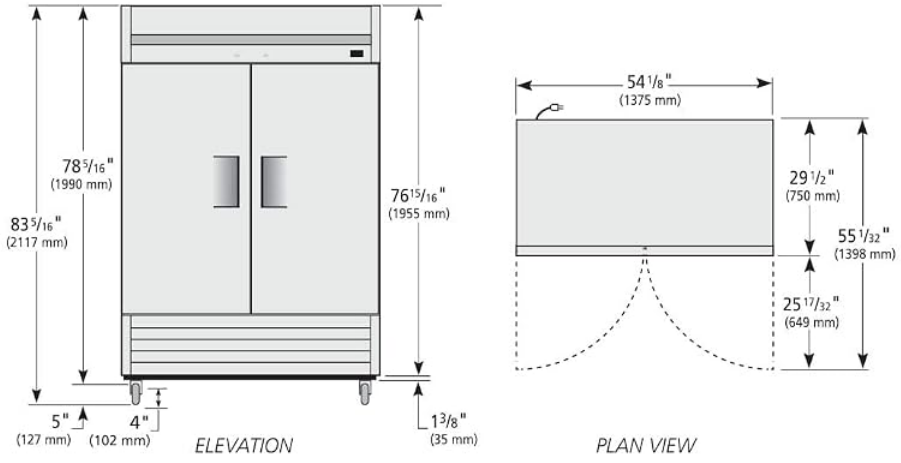
ELECTRICAL
- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.



115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES
Upcharge and lead times may apply.
- ❑ 230 - 240V / 50 Hz.
- ❑ 6" (153 mm) standard legs.
- ❑ 6" (153 mm) seismic/flanged legs.
- ❑ 2½" (64 mm) standard legs.
- ❑ Alternate door hinging (factory installed).
- ❑ Half door bun tray racks. Each holds up to eleven 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately).
- ❑ Full door bun tray racks. Each holds up to twenty-two 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately).

PLAN VIEW



3 YEAR PARTS + LABOR / 7 YEAR COMPRESSOR
WARRANTY
(U.S.A. only)

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Model	Elevation	Right	Plan	3D	Back
T-49-HC					

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Figure 2: Detailed specification sheet for the True T-49-HC, including cabinet dimensions, electrical requirements, and shelf information. Refer to this diagram for precise measurements and technical data.

Note: Specifications are subject to change without notice.

8. Warranty and Support

8.1 Warranty Information

This True T-49-HC refrigerator comes with a **3-Year Parts + Labor Compressor Warranty** (U.S.A. only). For full warranty details and terms, please refer to the official True Manufacturing warranty documentation provided with your purchase or visit the manufacturer's website.

8.2 Customer Support

If you require technical assistance, service, or have questions regarding your True T-49-HC refrigerator, please contact True Manufacturing customer support or an authorized service agent. Have your model number and serial number ready when contacting support.

Manufacturer: True Manufacturing

Contact information typically found on the unit's data plate or manufacturer's official website.

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