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Frosty Factory 117A

Frosty Factory 117A Portable Air Cooled Frozen Drink Machine User Manual

Model: 117A | Brand: Frosty Factory

Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Frosty Factory 117A Portable Air Cooled Frozen Drink Machine. Please read this manual thoroughly before operating the machine to ensure proper use and to prevent damage or injury.
The Frosty Factory 117A is designed to produce consistently great tasting frozen drinks, offering effective inventory and cost control. It features a compact design, making it suitable for various counter spaces.

Safety Information

Always adhere to the following safety guidelines:

- **Electrical Safety:** Ensure the machine is plugged into a dedicated 20 amp outlet. Do not use extension cords. Disconnect power before cleaning or servicing.
- **Placement:** Always allow ample space on all sides for proper air-flow to prevent overheating. Do not block air vents.
- **Cleaning:** Follow all cleaning instructions carefully. Disassemble parts as instructed for thorough cleaning. Hand wash components only.
- **Moving Parts:** Keep hands and foreign objects clear of moving parts during operation.
- **Refrigerant:** The machine uses R404A refrigerant. Servicing of the refrigeration system should only be performed by qualified personnel.
- **Supervision:** Do not allow children or untrained individuals to operate the machine.

Setup

1. **Unpacking:** Carefully remove the machine from its packaging. Inspect for any shipping damage.

2. **Placement:** Place the machine on a stable, level counter surface. Ensure there is sufficient clearance (at least 6 inches) around all sides for adequate air circulation. This is crucial for the air-cooled system's efficiency.
3. **Power Connection:** Plug the machine into a dedicated 115V, 60 hertz, 20 amp circuit. The machine has a 12 amp draw.
4. **Initial Cleaning:** Before first use, clean all parts that will come into contact with the product. Refer to the "Maintenance" section for detailed cleaning instructions.



Figure 1: Front view of the Frosty Factory 117A Portable Air Cooled Frozen Drink Machine. This image shows the main unit with the hopper lid, dispensing cylinder, and control panel visible.

Operating Instructions

1. **Prepare Mix:** Prepare your frozen drink mix according to its specific instructions. The machine has a 12-quart hopper capacity.
2. **Fill Hopper:** Pour the prepared mix into the hopper located at the top of the machine. Do not overfill.

3. **Power On:** Turn on the main power switch. The machine will begin the freezing process. Initial freeze time is approximately 10 minutes.
4. **Dispensing:** Once the mix reaches the desired frozen consistency, activate the dispense lever or button (refer to your specific model's controls) to serve.
    - 1-8 oz. serving: approximately 20 seconds
    - 1-12 oz. serving: approximately 30 seconds
    - 1-16 oz. serving: approximately 40 seconds
    - 1-20 oz. serving: approximately 50 seconds
    - 1-45 oz. serving: approximately 2 minutes

    The maximum "one time" serve is 46 oz. Recovery after a maximum draw is approximately 2 minutes.
5. **Stand-by Mode:** For periods of low demand or overnight storage, utilize the stand-by switch. This feature allows the machine to refrigerate the mix overnight, maintaining its quality without continuous freezing.

Maintenance

Regular cleaning and maintenance are crucial for the longevity and hygienic operation of your frozen drink machine.

Daily Cleaning:

- At the end of each day, or when the hopper is empty, turn off the machine and unplug it.
- Drain any remaining product from the cylinder.
- Rinse the hopper and cylinder with warm water.
- Perform a sanitizing cycle if recommended by your mix manufacturer or local health regulations.

Thorough Cleaning (Disassembly & Hand Wash):

All components that come into contact with the product, including the hopper, cylinder, auger, and dispensing valve, must be disassembled and hand washed regularly. Refer to the following steps:

1. Ensure the machine is unplugged and empty.
2. Carefully remove the hopper lid and any removable seals or gaskets.
3. Disassemble the dispensing valve assembly.
4. Remove the auger (beater) from the cylinder.
5. Remove the cylinder front plate and any associated seals.
6. Hand wash all removed parts with warm, soapy water. Use a soft brush for crevices.
7. Rinse all parts thoroughly with clean water.
8. Sanitize all parts using an approved food-grade sanitizer solution.
9. Allow all parts to air dry completely before reassembly.
10. Reassemble the machine, ensuring all seals and gaskets are correctly seated to prevent leaks.

Note: Do not use abrasive cleaners or scouring pads, as these can damage surfaces. Do not immerse the main machine body in water.

Troubleshooting

Problem	Possible Cause	Solution
Machine not freezing	Insufficient air circulation; Low mix level; Incorrect mix consistency; Refrigeration issue.	Ensure ample space around machine; Add more mix; Adjust mix ratio; Contact qualified service technician.
Product too thin/watery	Mix not frozen enough; Incorrect mix ratio.	Allow more time for freezing (initial freeze time is 10 minutes); Adjust mix ratio for proper consistency.
Product too thick/icy	Mix too concentrated; Machine set too cold.	Adjust mix ratio; Consult manual for temperature adjustment (if applicable) or contact service.
Leaking from dispensing valve	Worn or improperly seated seals/gaskets.	Disassemble and inspect seals; Replace worn seals; Ensure proper reassembly.
Machine not turning on	No power; Circuit breaker tripped.	Check power cord connection; Verify outlet has power; Reset circuit breaker.

If troubleshooting steps do not resolve the issue, please contact Frosty Factory customer support or a qualified service technician.

Specifications

Feature	Detail
Model	117A
Product Dimensions	21 x 11 x 25 inches
Weight	130 Pounds
Electrical Requirements	115V, 60 hertz, 1 Phase
Compressor Horsepower	3/4 HP
Amp Draw	12 amp
Circuit Breaker Requirement	20 amp dedicated circuit
Refrigerant	R404A
Hopper Capacity	12 Quarts
Cylinder Capacity	3 1/3 Quarts
Product Care Instructions	Hand Wash

Warranty and Support

For warranty information, technical support, or to order replacement parts, please contact Frosty Factory customer

service. Keep your purchase receipt and model number readily available when contacting support.
Note: Specific warranty terms and conditions may vary. Refer to your purchase documentation for details.

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