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ENGEL ENG320

ENGEL ENG320 High-Performance Cooler Instruction Manual

Model: ENG320 | Brand: ENGEL

INTRODUCTION

The ENGEL ENG320 High-Performance Cooler is engineered for exceptional durability and ice retention, making it suitable for various outdoor activities. Its rotationally molded construction ensures a seamless and robust design, capable of withstanding demanding conditions. This cooler is designed to keep contents cold for extended periods, up to 10 days under ideal conditions, thanks to its advanced insulation and heavy-duty gasket.

Key features include bear-resistant certification (when used with two padlocks), adjustable latches, integrated rope handles, non-skid feet, and a pitched floor with an oversized drain plug for efficient drainage.



Figure 1: ENGEL ENG320 High-Performance Cooler, showcasing its robust design.



Figure 2: Cross-section illustrating the 2-inch dense insulation for superior ice retention.

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Video 1: Overview of ENGEL High Performance Coolers, highlighting key features and durability.

SETUP

1. **Pre-Chill the Cooler:** For optimal ice retention, pre-chill the cooler with a sacrificial bag of ice or ice packs for several hours before loading. This lowers the internal temperature of the cooler walls.
2. **Load Contents:** Place items to be cooled inside the cooler. For best results, use block ice or a combination of block and cubed ice. Fill the cooler as completely as possible to minimize air space.
3. **Secure the Lid:** Ensure the lid is properly aligned and secure the adjustable rubber latches on both sides. The heavy-duty silicone gasket creates an airtight seal.
4. **Positioning:** Place the cooler in a shaded area whenever possible to further enhance ice retention.



Figure 3: ENGEL coolers being loaded into a truck, demonstrating ease of transport.

OPERATING INSTRUCTIONS

Latches and Seal

The ENG320 features adjustable rubber latches that create a tight, secure seal. To open, pull the latch handle outwards and upwards. To close, align the lid and push the latch handle downwards until it locks into place. The silicone gasket ensures an optimal seal for maximum ice retention.



Figure 4: Close-up view of the durable rubber latch system.

Drain Plug

The cooler is equipped with an extra-large removable drain plug located on the pitched floor for optimal self-drainage. To drain melted ice water, simply twist and remove the plug. Ensure the plug is securely re-inserted to maintain the cooler's seal.



Figure 5: Detail of the oversized, removable drain plug for easy water removal.

Handles and Tie-Down Points

Durable rope handles with ergonomic plastic hand grips are integrated for comfortable lifting and transport. The cooler also features quadra-grip tie-down points to easily secure it during transport, preventing movement.

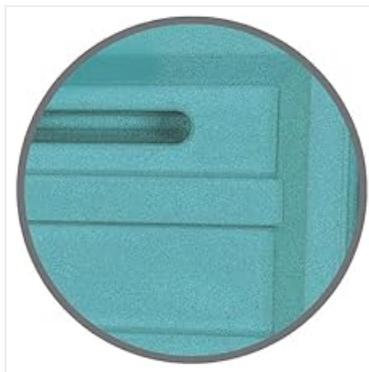


Figure 6: Ergonomic rope handles designed for comfortable carrying.

Bottle Opener

The standard stainless-steel upper latch keeper doubles as an emergency bottle opener for convenience.

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Video 2: Demonstration of the integrated bottle opener feature on the Engel cooler latch.

Bear Resistance

The ENG320 cooler is certified bear-resistant by the Interagency Bear Committee (IGBC) when used with two padlocks or when bolted shut in both corners (molded on the rear side of the cooler's lid). This feature provides added security for your contents in bear country.



Figure 7: Padlock points for securing the cooler and ensuring bear resistance.

MAINTENANCE

Proper maintenance ensures the longevity and performance of your ENGEL ENG320 cooler.

- **Cleaning:** Clean the cooler with mild soap and water after each use. Rinse thoroughly to remove all soap residue.
- **Drying:** Allow the cooler to dry completely with the lid open before storing to prevent mold and mildew growth.
- **Storage:** Store the cooler in a cool, dry place, away from direct sunlight and extreme temperatures. Protect it from harsh chemicals, which can damage the material.
- **Gasket Care:** Periodically inspect the heavy-duty silicone gasket for any signs of wear or damage. A clean, intact gasket is crucial for maintaining the airtight seal and ice retention.

TROUBLESHOOTING

If you experience issues with ice retention, consider the following:

- **Insufficient Pre-Chilling:** Ensure the cooler is adequately pre-chilled before adding contents and fresh ice. Warm cooler walls will melt ice quickly.
- **Lid Seal:** Verify that the lid is properly closed and the latches are securely fastened. Check the silicone gasket for any debris or damage that might compromise the seal.
- **Ice Quantity and Type:** Use a sufficient amount of ice. Block ice melts slower than cubed ice. A combination often works best. Filling the cooler completely with ice and contents reduces air space, which helps maintain cold temperatures.
- **Exposure to Heat:** Minimize opening the lid and keep the cooler out of direct sunlight or hot environments. Placing a towel or blanket over the cooler can provide additional insulation.

SPECIFICATIONS

ENGEL ENG320 Cooler Specifications

Feature	Detail
Brand	ENGEL
Model Name	Engel ENG320 293 Quart High-Performance Hard Cooler and Ice Box White
Capacity	293 Quarts (approx. 375 cans)
Item Weight	92.25 Pounds
Item Dimensions (LxWxH)	61.8 x 22.5 x 22.5 inches
Material	Rotationally-molded Thermoplastic Polyurethane (TPU)
Insulation	2-inch, 360-degree, closed-cell foam
Special Features	Non-slip, Bear-Resistant (with padlocks), Adjustable Rubber Latches, Emergency Bottle Opener, Non-skid feet, Built-in Rope Handles, Removable Drain Plug
Recommended Uses	Camping, Fishing, Picnic, Hiking, Power Outages
Country of Origin	Thailand

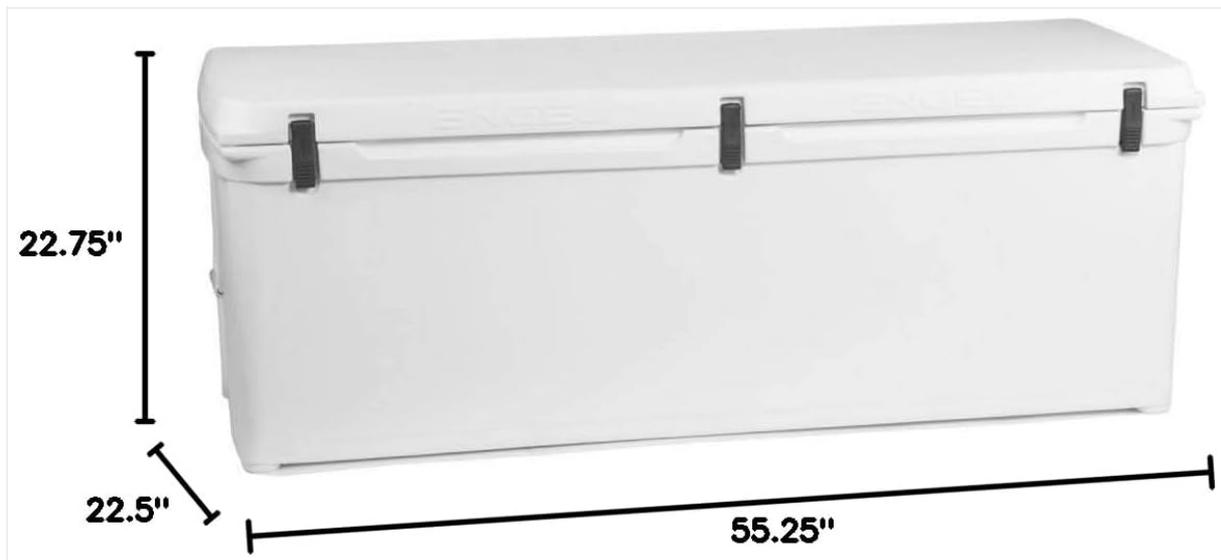


Figure 8: Dimensional overview of the ENGEL ENG320 Cooler.

WARRANTY INFORMATION

The ENGEL ENG320 High-Performance Cooler comes with a **10-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms, conditions, and to initiate a warranty claim, please refer to the official ENGEL website or contact customer support.

CUSTOMER SUPPORT

For further assistance, product inquiries, or support, please visit the official ENGEL website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

Online Resources:

- [Visit the ENGEL Store on Amazon](#)