

Lewmar V700

Lewmar V700 12V Vertical Windlass Instruction Manual

Model: V700 | Brand: Lewmar

1. INTRODUCTION

The Lewmar V700 12V Vertical Windlass is engineered for reliable anchoring on powerboats and sailboats ranging from 20 to 30 feet. This robust unit is designed to simplify anchor deployment and retrieval, handling both rode chain and all-chain anchor lines with ease. Its compact deck unit discreetly conceals a powerful drive train, worm gearbox, and splined shaft, ensuring maximum strength and precise control. Featuring the innovative FastFit system, installation is straightforward and efficient.

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Lewmar V700 windlass, ensuring years of dependable service.

2. SAFETY INFORMATION

Always prioritize safety when installing and operating marine equipment. Read all instructions carefully before proceeding. Failure to follow these guidelines may result in injury, damage to the product, or damage to your vessel.

- Ensure the vessel's power supply is disconnected before any installation or maintenance work.
- Wear appropriate personal protective equipment, including eye protection and gloves.
- Do not operate the windlass with bare hands near moving parts.
- Ensure the anchor is properly secured when not in use to prevent accidental deployment.
- Never use the windlass to pull the boat or as a mooring cleat.
- Keep children and pets away from the windlass during operation.
- Regularly inspect all components for wear or damage. Replace worn parts immediately.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

3. COMPONENTS

The Lewmar V700 windlass kit includes all necessary components for a complete low-profile anchoring system. Please verify that all items listed below are present in your package:

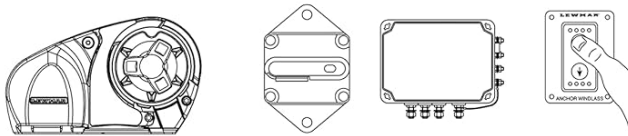
- Lewmar V700 Windlass Unit
- Rocker Switch
- Circuit Breaker
- Two-Direction Solenoid
- Handle (for manual emergency operation)
- Base Gasket Seal
- Fast-Mounting Studs
- Installation Wrench

Selection Guide

Maximum Pulling Power: 320 kg (700 lb)

MODEL	MAX CHAIN		MOTOR SUPPLY	MOTOR POWER	MAXIMUM PULL		WORKING LOAD LIMIT		MAXIMUM LINE SPEED		NORMAL CURRENT DRAW	CIRCUIT BREAKER	WEIGHT	
	MM	IN	VOLTAGE	WATT	KG	LB	KG	LB	M/MIN	FT/MIN	AMP	AMP	KG	LB
V700	7	1/4	12	320	320	700	79	175	25	82	45	35	6.5	14

Kits include:
 Windlass, base gasket seal, fast-mounting studs, installation wrench,
 circuit breaker, dual-direction solenoid and rocker switch.



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Figure 3.1: A selection guide table for the Lewmar V700 windlass, detailing specifications such as chain size, voltage, motor power, maximum pull, and line speed. Below the table are illustrations of the included components: windlass, base gasket seal, fast-mounting studs, installation wrench, circuit breaker, dual-direction solenoid, and rocker switch.

4. SETUP AND INSTALLATION

The Lewmar V700 windlass features the innovative FastFit system, designed for quick and easy installation, often achievable by a single person. The clamping system ensures precise alignment of the deck unit and motor gearbox for a

perfect fit.

4.1 Pre-Installation Checks

- Ensure the mounting surface on your deck is flat, strong, and free from obstructions.
- Verify adequate space below deck for the motor gearbox and wiring.
- Confirm your vessel's electrical system is 12V DC and can support the windlass's power requirements.

4.2 Mounting the Windlass

1. Position the windlass deck unit on the desired location on your boat's bow.
2. Mark the drilling points for the mounting studs and the main shaft opening.
3. Carefully drill the necessary holes, ensuring they are clean and properly sized.
4. Apply a marine sealant around all drilled holes to prevent water ingress.
5. Place the base gasket seal and the windlass deck unit onto the mounting surface.
6. From below deck, align and secure the motor gearbox to the deck unit using the FastFit clamping system and mounting studs. Tighten all fasteners according to the torque specifications provided in the detailed installation guide (not included in this general manual).

Easy to Install

With our FastFit feature, installing can be done by one person and the clamping system aligns the deck unit and motor gearbox for a perfect fit the first time



Figure 4.1: A close-up representative image of the Lewmar windlass, emphasizing its FastFit feature which allows for quick and easy installation by aligning the deck unit and motor gearbox for a perfect fit.

4.3 Electrical Connections

Connect the rocker switch, circuit breaker, and two-direction solenoid according to the wiring diagram provided with your windlass kit. Ensure all electrical connections are secure, waterproof, and properly insulated to prevent corrosion and electrical hazards. It is recommended to have electrical work performed by a qualified marine electrician.

5. OPERATING INSTRUCTIONS

The Lewmar V700 windlass simplifies anchoring with intuitive push-button control. It is designed to efficiently move your anchor rode (chain or rope/chain combination) up or down.

5.1 Deploying the Anchor

1. Ensure the vessel is in a suitable position for anchoring.

2. Release any anchor securing devices.
3. Press and hold the 'DOWN' button on the rocker switch to lower the anchor.
4. Monitor the anchor chain/rode as it deploys to ensure it runs freely.
5. Once the desired scope is achieved, release the button.

5.2 Retrieving the Anchor

1. Maneuver the vessel slowly towards the anchor to reduce load on the windlass.
2. Press and hold the 'UP' button on the rocker switch to retrieve the anchor.
3. Guide the chain/rode into the chain locker, ensuring it stacks properly.
4. Once the anchor is fully retrieved and secured, release the button.

Efficient Anchoring

Simply control the windlass by the push of a button.
The built-in manual emergency system
makes anchoring easy



Figure 5.1: A representative image showing a Lewmar windlass installed on the bow of a boat, with the anchor chain neatly stowed, illustrating the ease of anchoring with the push of a button and the built-in manual emergency system.

5.3 Manual Emergency Operation

In the event of a power failure or malfunction, the V700 windlass is equipped with a built-in manual emergency system. Insert the provided handle into the designated socket on the windlass deck unit and rotate it to manually retrieve or deploy the anchor.

6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your Lewmar V700 windlass. The unit's tough stainless steel construction is designed for durability and protection of your anchor ropes.

- **Cleaning:** Rinse the windlass and surrounding deck area with fresh water after each use, especially in saltwater environments, to remove salt residue and prevent corrosion.
- **Inspection:** Periodically inspect the windlass for any signs of wear, corrosion, or damage to the housing, gypsy, and electrical connections. Check the anchor chain/rode for wear or kinks.
- **Lubrication:** Refer to the detailed product manual for specific lubrication points and recommended lubricants. Generally, the gearbox is sealed and requires no user maintenance.
- **Fasteners:** Ensure all mounting fasteners remain tight. Re-tighten if necessary, but do not overtighten.

Compact & Durable

Constructed with tough stainless steel, our windlass will keep your ropes protected for a long time



Representative Image

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Figure 6.1: A close-up representative image of the Lewmar windlass installed on a boat's wooden deck, highlighting its compact form factor and robust stainless steel construction designed for long-lasting protection of anchor ropes.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Lewmar V700 windlass. For more complex problems, consult a qualified marine technician.

Problem	Possible Cause	Solution
Windlass does not operate	No power; tripped circuit breaker; faulty switch/solenoid; loose wiring.	Check battery connections; reset circuit breaker; inspect wiring for corrosion or looseness; test switch/solenoid.
Windlass operates slowly or weakly	Low battery voltage; undersized wiring; excessive load; motor issue.	Charge batteries; verify wiring gauge; reduce load on windlass; consult technician for motor inspection.
Chain/Rope slips on gypsy	Incorrect chain/rope size; worn gypsy; insufficient tension.	Ensure correct chain/rope size (1/4" G4 chain); inspect gypsy for wear; ensure proper rode tension.
Excessive noise during operation	Lack of lubrication; worn bearings/gears; foreign object.	Check for foreign objects; if noise persists, professional inspection is recommended.

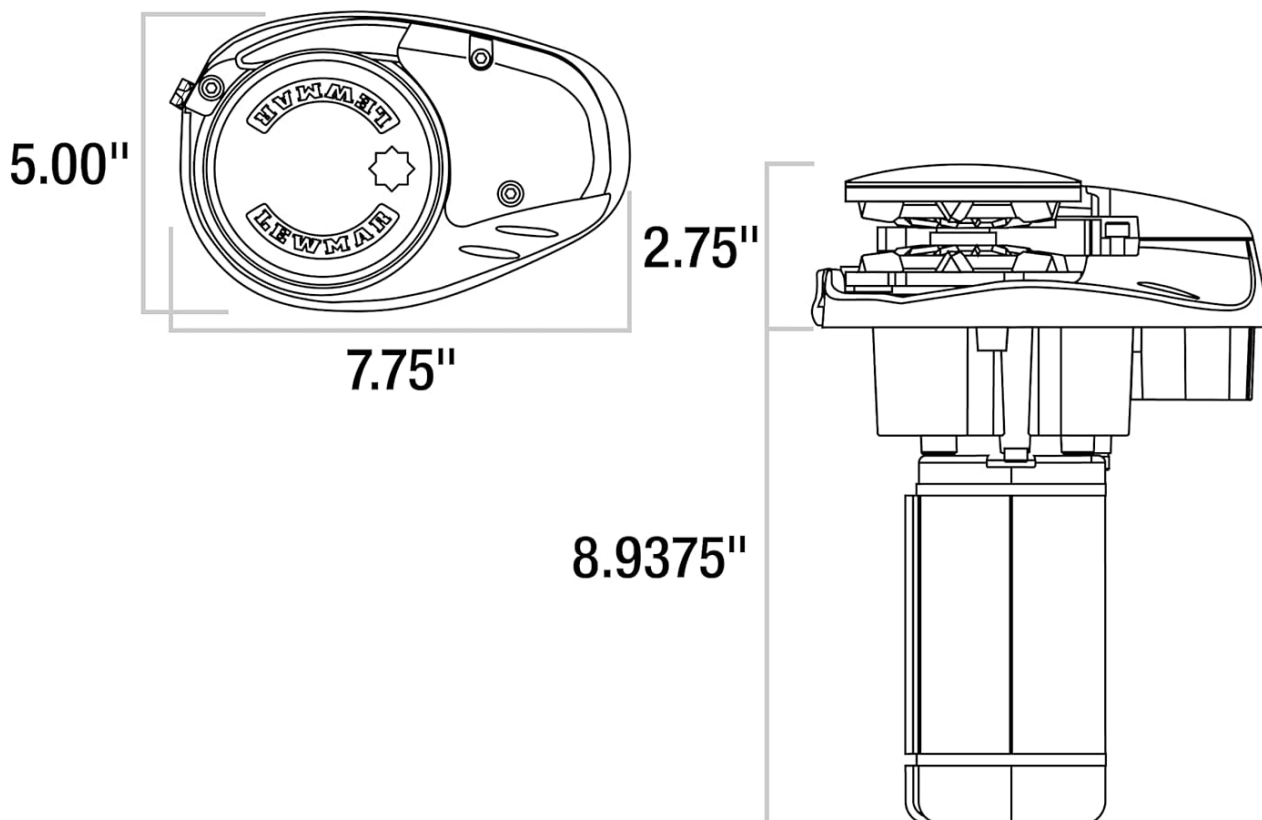
8. SPECIFICATIONS

The following table provides key technical specifications for the Lewmar V700 12V Vertical Windlass:

Specification	Value
Model Name	Lewmar V700 G 12V 6/7 mm 1/4" Vertical Windlasses
Voltage	12V DC
Maximum Pull	700 lbs (320 kg)
Material	Stainless Steel
Item Weight	19.36 Pounds (8.78 kg)
Item Dimensions (LxWxH)	12 x 8 inches (approximate deck unit)
Package Dimensions (LxWxH)	12.5 x 11.25 x 8.5 inches
Chain Compatibility	1/4" G4 Chain (6-7mm)
IP Rating	IP67 Rated Housing (Completely submersible)
Suggested Boat Length	20'-30'

Approximate Dimensions

Maximum Pulling Power: 320 kg (700 lb)



Anchor weight: 6.5 kg/14 lbs

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Figure 8.1: Technical diagram illustrating the approximate dimensions of the Lewmar V700 windlass, with measurements for the deck unit and the motor gearbox, and maximum pulling power of 320 kg (700 lb).

9. WARRANTY INFORMATION

The Lewmar V700 12V Vertical Windlass comes with a **3-Year Manufacturer's Warranty**. This warranty covers defects in materials and workmanship under normal use and service. For specific terms, conditions, and claim procedures, please refer to the warranty documentation included with your product or visit the official Lewmar website.

10. SUPPORT AND CONTACT

For further assistance, technical support, or to inquire about replacement parts, please contact Lewmar customer service. You can find contact information and additional resources on the official Lewmar website.

Visit the [Lewmar Store on Amazon](#) for more products and information.

