KMH60A / KMH61A series

OPERATION MANUAL

P/N: 0A7752-G0001

YANMAR®

MARINE GEAR

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INTRODUCTION

Welcome to the world of Yanmar Marine! Yanmar Marine offers, engines, drive systems and accessories for all types of boats, from runabouts to sailboats, and from cruisers to mega yachts. In marine leisure boating, the worldwide reputation of Yanmar Marine is second to none.

Our marine gears are designed for a wide range of applications. Our parallel, downangle, saildrive, or “V” drive marine gears are designed to reduce the vibration and make your cruising more pleasurable.

To help you enjoy your Yanmar marine products for many years to come, please follow these recommendations:

- Read and understand this Operation Manual before you operate your boat to ensure that you follow safe operating practices and maintenance procedures.
- Keep this Operation Manual in a convenient place for easy access.
- If this Operation Manual is lost or damaged, order a new one from your authorized Yanmar marine dealer or distributor.
- Make sure this manual is transferred to subsequent owners. This manual should be considered a permanent part of the boat and remain with it.
- Constant efforts are made to improve the quality and performance of Yanmar products, so some details included in this Operation Manual may differ slightly from your marine gear. If you have any questions about these differences, please contact your authorized Yanmar marine dealer or distributor.
- The specifications and components described in this manual may differ from ones installed on your boat. Please refer to the manual provided by the manufacturer of these components.

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RECORD OF OWNERSHIP

Take a few moments to record the information you need when you contact Yanmar for service, parts or literature.

Marine Gear Model: _____

Marine Gear Serial No.: _____

Date Purchased:_____

Dealer:_____

Dealer Phone:_____

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SAFETY

Yanmar is concerned for your safety and the condition of your marine gear. Safety statements are one of the primary ways to call your attention to the potential hazards associated with Yanmar marine gear. Follow the precautions listed throughout the manual before operation, during operation and during periodic maintenance procedures for your safety, the safety of others and to protect the performance of your marine gear. Keep the labels from becoming dirty or torn and replace them if they are lost or damaged. Also, if you need to replace a part that has a label attached to it, make sure you order the new part and label at the same time.



This safety alert symbol appears with most safety statements. It means attention, become alert, your safety is involved! Please read and abide by the message that follows the safety alert symbol.

⚠ DANGER

Danger (the word "DANGER" is in white letters with a red rectangle behind it) – indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. Danger is limited to the most extreme situations.

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⚠ WARNING

Warning (the word "WARNING" is in black letters with an orange rectangle behind it) – indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

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⚠ CAUTION

Caution (the word "CAUTION" is in black letters with a yellow rectangle behind it) – indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

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CAUTION

Caution without the safety alert symbol indicates a potentially hazardous situation that can cause damage to the marine gear, personal property and / or the environment or cause the marine gear to operate improperly.

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SAFETY PRECAUTIONS

Before You Operate

CAUTION



NEVER permit anyone to install or operate the marine gear without proper training.

Read and understand this Operation Manual before you install, operate, or service the marine gear to ensure that you follow safe installation and operation practices and maintenance procedures.

- **Safety signs and labels are additional reminders for safe operating and maintenance techniques.**
- **See your authorized Yanmar marine dealer or distributor for your installation, service and training needs.**

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During Operation and Maintenance

DANGER



CRUSH HAZARD!

- When you need to transport a marine gear for repair have a helper assist you attach it to a hoist and load it on a truck.
- NEVER stand under hoisted marine gear. If the hoist mechanism fails, the marine gear will fall on you, causing serious injury or death.
- Failure to comply will result in death or serious injury.

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WARNING

SUDDEN MOVEMENT HAZARD!

- When you install the “emergency nut” the boat will move forward as soon as you start the engine! Make sure the area is clear before you start the engine.
- Failure to comply could result in death or serious injury.

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WARNING



SEVER HAZARD!

- Keep hands and other body parts away from moving / rotating parts such as the flywheel or PTO shaft.
- Wear tight fitting clothing and keep your hair short or tie it back while the engine is running.
- Remove all jewelry before you operate or service the marine gear.
- NEVER start the engine in gear. Sudden movement of the engine and / or vessel could cause death or serious personal injury.
- NEVER operate the marine gear without the guards in place.

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⚠ WARNING



SEVER HAZARD!

- Before you start the engine make sure that all bystanders are clear of the area.
- Keep children and pets away while the engine is operating.
- Check before starting the engine that any tools or shop rags used during maintenance have been removed from the area.
- Failure to comply could result in death or serious injury.

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⚠ WARNING



ALCOHOL AND DRUG HAZARD!

- NEVER operate the vessel while you are under the influence of alcohol or drugs.
- NEVER operate the vessel when you are feeling ill.
- Failure to comply could result in death or serious injury.

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