

## HASWING Protruar 2.0 50745

# HASWING Electric Trolling Motor User Manual

Model: Protruar 2.0 50745

## INTRODUCTION

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This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your HASWING Electric Trolling Motor, Model Protruar 2.0 50745. Please read this manual thoroughly before using the motor to ensure proper function and longevity.



Image: Overview of the HASWING Electric Trolling Motor.

## SETUP AND INSTALLATION

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### Unpacking

Carefully remove all components from the packaging. Verify that all parts listed in the packing list are present and undamaged. If any parts are missing or damaged, contact your dealer immediately.

### Mounting the Motor

The Protruar motor is designed for transom mounting. Ensure the transom is sturdy enough to support the motor's weight and thrust. Securely attach the transom mount bracket to the boat's transom using

appropriate hardware. Tighten all fasteners to prevent movement during operation.

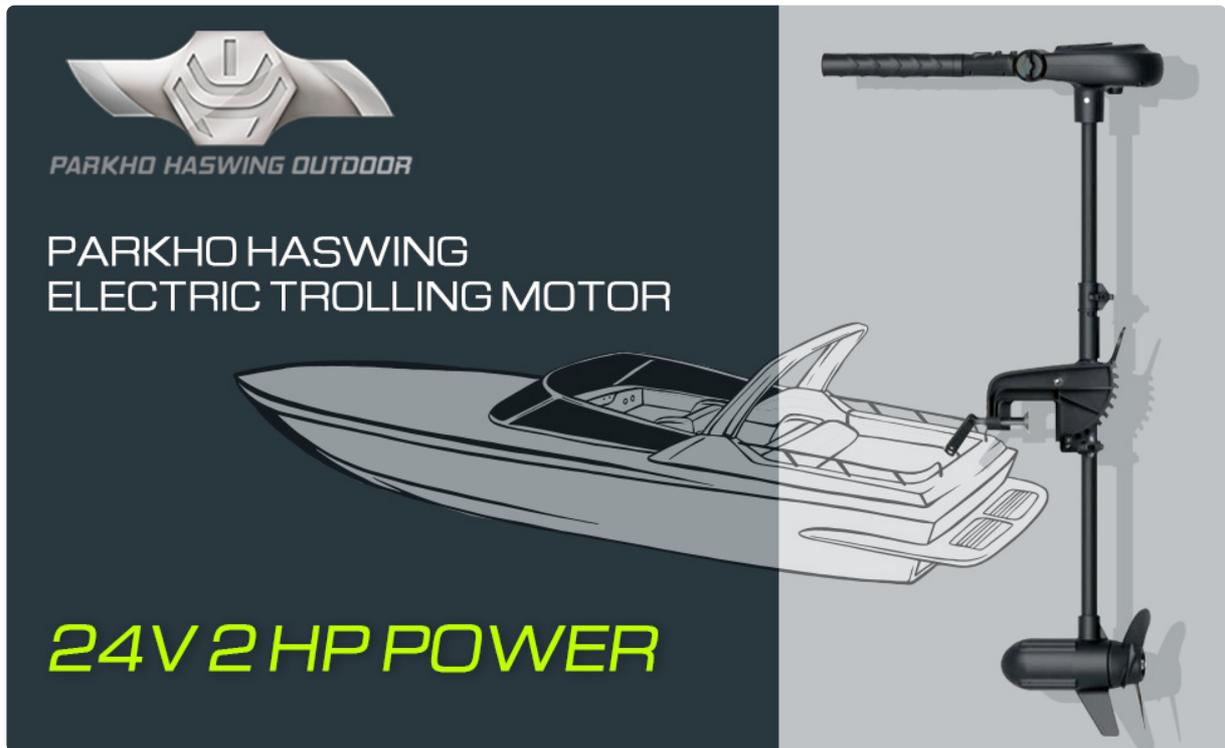


Image: The trolling motor properly mounted on a boat's transom.

### Shaft Length Adjustment

Adjust the shaft length so that the propeller is submerged at an adequate depth to prevent cavitation and ensure efficient thrust. The depth collar allows for precise adjustment.

### Battery Connection

Connect the motor to a 24V deep cycle battery system. Ensure correct polarity: positive (+) to positive and negative (-) to negative. Use appropriate gauge wiring and secure connections to prevent power loss or electrical hazards.

## OPERATING INSTRUCTIONS

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### Stepless Speed Control

The motor features digital technology for stepless forward and reverse speed control, accessible directly from the handle. Rotate the handle grip to increase or decrease speed smoothly.



## POWER DISPLAY

Display 3 levels of battery power.

Image: Close-up of the stepless speed control on the motor handle.

### Folding and Tilting Handle

The trolling handle can fold at an angle of 180 degrees for compact storage and transport. It also features an expanding handle extension of 400mm for comfortable operation. The motor offers 10 or 7 levels of tilting positions, allowing you to adjust the motor's angle relative to the water surface.



## SPEED CONTROL

Digital technology provide stepless forward and reverse speed control.

Image: Illustration of the folding and expanding handle functions.



Image: Diagram showing the motor's tilting positions.

### Power Display (Battery Meter)

A power display located on top of the motor shows three levels of battery power, allowing you to monitor the status of your deep cycle battery conveniently.



Image: Close-up of the battery power display on the motor head.

### Brushless Motor and Propeller

The motor features a durable brushless design for efficient and quiet operation. It includes an anti-impact prop-clutch ability that disengages the running propeller if it encounters an obstruction, preventing damage to the prop.



Image: View of the brushless motor and propeller assembly.

## MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your trolling motor.

- **After Each Use:** Rinse the motor, especially the propeller and shaft, with fresh water if used in saltwater. Wipe down all surfaces to remove salt residue and dirt.
- **Propeller Inspection:** Regularly check the propeller for fishing line, weeds, or other debris that may be wrapped around the shaft or propeller hub. Remove any obstructions. Inspect for chips, cracks, or bends.
- **Electrical Connections:** Periodically inspect all electrical connections for corrosion or looseness. Clean and tighten as necessary. Apply dielectric grease to terminals to prevent corrosion.
- **Shaft and Mount:** Check the shaft for any signs of bending or damage. Ensure the transom mount is securely fastened and free from cracks.
- **Storage:** When not in use, store the motor in a dry, protected area. Disconnect the battery for long-term storage.

## TROUBLESHOOTING

This section addresses common issues you might encounter with your trolling motor.

Problem	Possible Cause	Solution
Motor does not start or has no power.	Low battery charge; Loose or corroded battery connections; Blown fuse/circuit breaker.	Check battery charge and recharge if necessary; Clean and tighten all battery connections; Check and replace fuse/reset circuit breaker.
Reduced thrust or unusual noise.	Propeller fouled with debris; Damaged propeller; Motor cavitation.	Clear propeller of debris; Replace damaged propeller; Adjust motor depth to ensure propeller is fully submerged.
Motor runs intermittently.	Loose wiring connections; Overheating.	Inspect and secure all wiring connections; Allow motor to cool down if it has been running continuously at high power.

## SPECIFICATIONS

Detailed technical specifications for the HASWING Protruar 2.0 50745 Electric Trolling Motor.

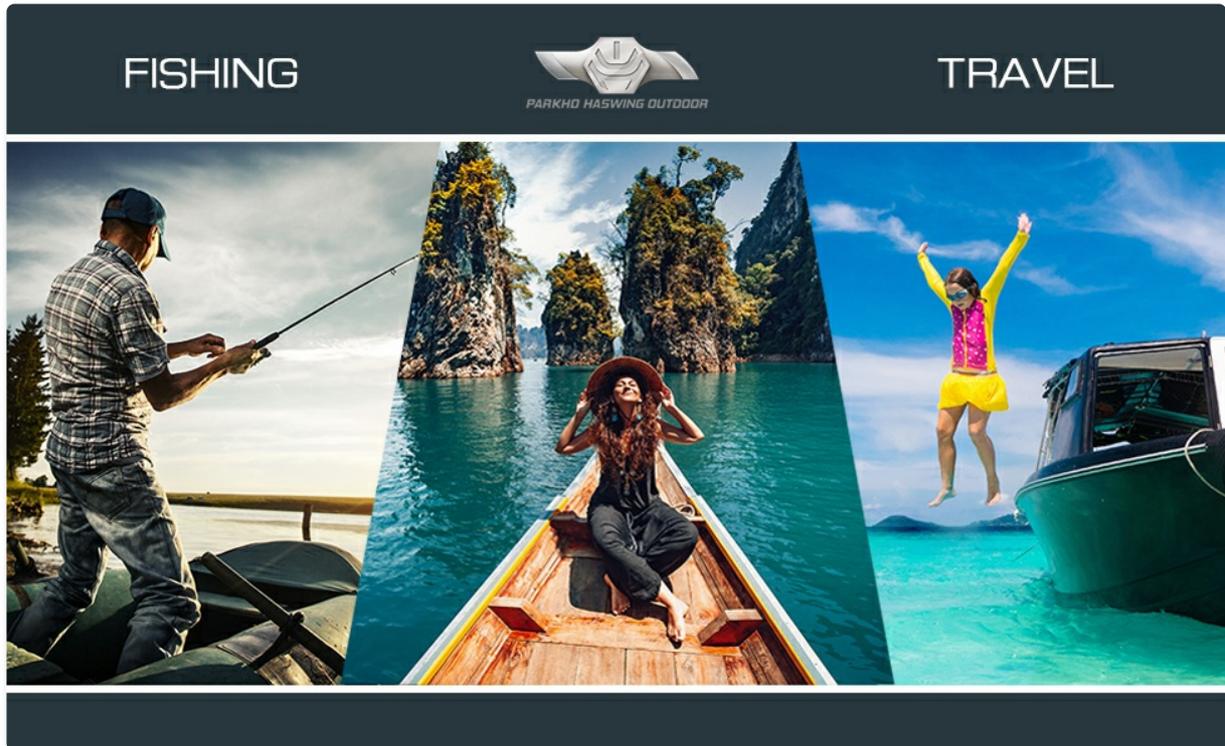


Image: Visual representation of the motor specifications.

Feature	Detail
Model	Protruar 2.0 50745
Shaft Power	2HP
Peak Thrust	85 Lbs
Max Voltage	DC 24V
Power - Max	960W
Amp - Max	50A
Depth Adjustment	Depth Collar
Prop Type/Size	3 Blade Prop / 9.3 In. Diam
Prop Speed at Full Power	Max. 1350rpm underwater
Battery Type	2 x 105 AH Deep Cycle
Steering Ratio	360 Degree Control
Decibel Level (db)	≤55db
Weight	6.9kg / 15.2lb
Shaft Type	Cast Aluminium
Shaft Length	900mm / 35.4 Inch

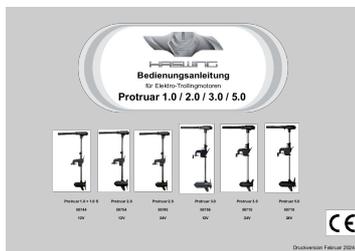
Feature	Detail
Max Boat Length & Load	6.5m / 21.3ft

## WARRANTY AND SUPPORT

For specific warranty information and support, please refer to the documentation provided with your purchase or contact the seller/manufacturer directly. Keep your proof of purchase for warranty claims. For technical assistance or spare parts, please contact HASWING customer service through their official channels.

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