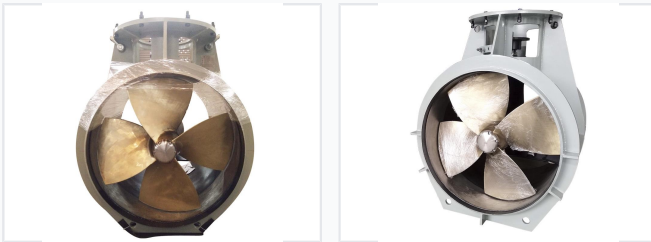


# Marine Bow Tunnel Thruster

This marine bow tunnel thruster enhances maneuverability for various vessels. The propeller can be driven by an electric motor, diesel engine, or hydraulic motor, with options for steel or aluminum hulls.



## ADDITIONAL IMAGES



## Overview

### High-Performance Marine Maneuvering

These marine bow and stern tunnel thrusters are engineered to significantly improve vessel docking, slow-speed maneuvering, and station-keeping capabilities. Available in both fixed-pitch and controllable-pitch configurations, they provide reliable lateral thrust for a wide range of commercial and industrial ships. With power ratings reaching up to 4200 KW and customizable hull materials, these units ensure optimal performance in demanding maritime environments.

## Technical Capabilities

### Maximum Power

**4200 kW**

Max Power

### Propeller Diameter

3.3 m

### Thrust Output

3.5 KN to 504 KN

## Configuration Options

### Pitch Options

Fixed Pitch (FP) • Controllable Pitch (CP)

### Hull Material Compatibility

- Steel Hulls
- Aluminum Hulls

### Drive Source Compatibility

Electric Motor, Diesel Engine, Hydraulic Motor

## Applications



Our thrusters are successfully deployed across a wide range of vessels including tugs, cargo ships, and offshore platforms.

### Suitable Vessels

Transportation Vessels, Tug Boats, RO/RO Ships, Ocean Engineering Vessels, Cargo Liners, Coast Guard Ships, Jack-up Platforms

## Compliance & Quality

### IACS Certificates

Available for all 12 classification societies of IACS

### Recognized Standards

ABS, BV, CCS, LR, ZY

## Manufacturing Excellence



Advanced machining centers and 18-meter lathes ensure precision manufacturing of large-scale marine components.

### Production Capacity

- 23,000 sqm assembly and adjustment workshop
- 80-ton maximum sling load capacity
- 20-meter hoisting height
- Precision 18-meter lathes for main propellers
- Dedicated test stands for tunnel thrusters and oil dispensers