

PP-3581

## Featured Ship of the Year 2021 in Taiwan



Taiwan SNAME



### Preface

The design and building of this boat is intended for coastal patrol/defense, protection of our nation's economic zone, search and rescue duties, and fishing ship escort missions.

This law-enforcement patrol boat which was scheduled, designed, and built by our ship yard, has the highest speed performance domestically.

### General Outline

1) Hull form design of the boat shall be hard chine, deep-V, all planing type, with good steering stability and good course keeping ability. Suitable flare should be set at the fore part, providing excellent sea-keeping performance that partial missions could be carried out under Beaufort scale 8.

- 2) The hull and the deckhouse adopt marine grade corrosive-resistant aluminum alloy material for lightweight optimization. The fenders are reinforced to withstand strong boarding for inspection.
- 3) Waterjet is adopted for propulsion system, enabling good maneuverability and good traits such as short turning time, short turning radius, high agility etc. The medium-to-high-speed cruising efficiency is higher than traditional propellers.
- 4) The boat speed can reach up to 46 knots at 100% maximum output of two main engines. Endurance of the boat with full bunker is 600 nm at cruising speed.
- 5) Stern towing bit and hooks are installed, enabling the towing capacity of same-class boats.
- 6) To enhance the crew accommodation living quality, sound absorbing blankets are installed in between the bulkheads of the ME room and the accommodation rooms to suppress the ME noise.
- 7) Interceptor is installed on the aft-body. It can adjust the boat to the best motion position, enabling more stability in turning and in bad sea conditions.
- 8) One high-pressure water gun is installed on the deckhouse. Water cannon function is equipped to reinforce the hydrant function. The high-pressure water flow is 70 kiloliters per hour. Maximum range is over 60 meters. Besides rescuing, it can also expel illegal ships.

## Main Principals

LOA :	22.35 M
Beam Molded :	5.124 M
Depth Molded :	2.772 M
Maximum Draft :	1.00 M
Endurance :	600 NM
Main Engine :	Waterjet 1800PS Dual Propeller
Design Speed :	45 knots
Class :	CR/ LR

