



海巡艦艇介紹專欄四一

五十噸級巡防艇

The 50-ton Patrol Boat

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●大舟造五十噸級巡防艇英姿
A second general 50-ton patrol boat

民國七十七年，正是海上走私最猖獗的時候，當時甫成立的保安第七總隊（本署海洋巡防總局前身）爲了因應當時的局勢，特別規劃及編列預算建造十三艘二十五公尺長船速三十二節的五十噸級高速巡防艇，該型巡防艇由蘇澳龍德造船公司得標，並於民國七十八年起陸續完工交船，此款巡防艇於當時甫交船就投入第一線海上不法查緝行列，立刻發揮海上緝私的功效，所查獲的走私案件不計其數，績效驚人，迄今雖已捍衛海疆十五年，但威風仍不減當年。

During 1980s in order to crackdown increasing maritime smugglings, the Security Police Seventh Division, National Police Administration (former of modernized maritime organization of Maritime Patrol Directorate General, Coast Guard Administration) had commissioned 13 high-speed Patrol Boat to curb the situation. The Patrol Boat tender was awarded to Lung Der Shipbuilding Company of Su Aou, and completed in 1989, they have been solved numbers of smugglings cases and still been on their field operations during the past 15 years.



●大舟造五十噸級巡防艇駕艙內裝 The interior decoration of a second general 50-ton patrol boat

本型艇取得中國驗船中心（CR）合格認證，船艇採玻璃纖維強化塑膠材質（FRP）製造，船型為深V型，引用二部MTU柴油引擎主機帶動二部推進器及雙舵，屬於高速巡防艇，全長二十五米，造船界又稱其為二十五米巡防艇，船寬五點八米，模深三點一五米，最深吃水一點二米左右，最大船速三十二節，經濟巡航速率二十八節，巡航距離六百浬，每艘乘員八至十二人，出勤時可在艙艙各裝一挺T-75機槍，船上並有先進全球衛星定位系統、自動雷達等航海儀器，可同時追蹤八個衛星，顯示並輸出船位、船速信號，配合海洋巡防總局衛星控管系統，為本署十二至二十四浬責任海域內的巡弋主力。

Fully classified by China Corporation Register of Shipping (CR), the vessel model takes to a Fiberglass Reinforced Plastics (FRP) material in a V-hull high-speed patrol boat with two MIU diesel engine, two fixed propellers, dual rudders and

Length overall: 25 meter

Breadth: 5.8 meter

Max draft: 3.15 meter

Draft: 1.2 meter

Max speed: 32 knots

Cruising speed: 28 knots

Endurance: 600 nautical miles

Crew: 8 to 12

Weapon: 20mm type75

Naval aid equipment includes GPS, auto track radar and etc. These patrol boards are the major patrol force of Maritime Patrol Directorate General between the 12 to 24 nautical miles of maritime.



巡護利器

民國八十八年，水上警察局再以七億八千萬元向淡水八里的大舟企業造船廠發包興建 13 艘二代五十噸級巡防艇，由改制後的本署海洋巡防總局接收，第一艘在八十九年五月八日在淡水接收，由於二代艇在船殼部分採用先進的一體包覆技術，不僅表面光亮，強度增強外，船殼也不易漏水，如何辨識新舊五十噸級巡防艇？行家說就在於駕駛艙上方包覆較大體積的露天駕駛台結構，大老遠就可一眼辨認，二代五十噸級巡防艇取得中國驗船中心（CR）及挪威驗船協會（DNV）之雙重合格認證，全長二十五點二五公尺，船寬五點八米，模深三點三米，艙吃水一點六米，艙吃水二點一二米，最大船速三十三節，經濟巡航速率二十九節，巡航距離六百二十五浬，每艘乘員八至十三人，搭配二部 DEUTZ MWM 主機(最大轉速 1,680RPM)，通信設備包括 MF/HF SSB、VHF、EPIRB、27MHZ DSC、NAVTEX、INMARSAT C 等先進設備，猶如海上賓士級巡防艇，讓私梟聞之色變。(作者任職於海洋巡防總局第八【澎湖】海巡隊薦任技佐)

In 1999, the Maritime Police Bureau(former of modernized maritime organization of Maritime Patrol Directorate General, Coast Guard Administration) once again commissioned 13 second generation 50-ton patrol boats be built by Da Zhou Enterprise Shipbuilding Company in Pali by \$780 million NT. The first second generation 50-ton patrol boat was taken over by Maritime Patrol Directorate General in Tamsui on May 8, 2000. Fabricated of the advanced one-body wrapping technology, the second-generation vessels not only feature a smooth surface and improved strength, but the reinforced ship hull is further waterproofed to prevent leakage.

The vessel model takes to a Fiberglass Reinforced Plastics (FRP) material in a V-hull high-speed patrol boat with two DEUTZ MWM diesel engine(Max speed 1680 rpm), two fixed propellers, dual rudders and Fully classified by China Corporation Register of Shipping (CR) and Det Norske Veritas(DNV) of Norway.

Length overall: 25.25 meter

Breadth: 5.8 meter

Max draft: 3.3 meter

Draft: 1.6 meter

Max speed: 33 knots

Cruising speed: 29 knots

Endurance: 625 nautical miles

Crew: 8 to 13

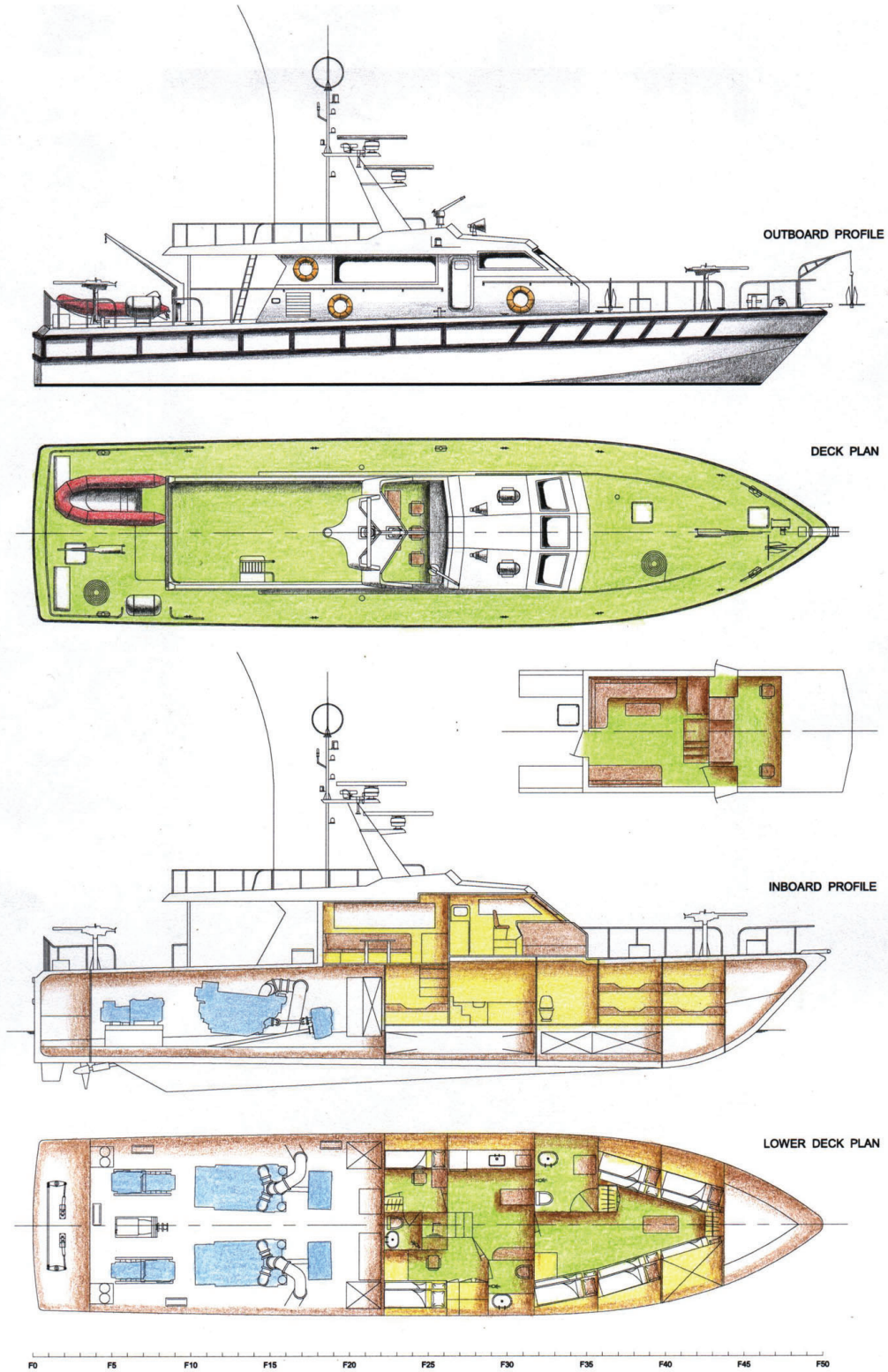
Weapon: 20mm type75

MF/HF, SSB, VHF, EPIRB, 27M Hz DSC, Navtex and Inmarsat C, communication equipment making it rather a deluxe Mercedes-grade patrol boat powerful and become the major force to deter all illicit smugglings at sea. (the author is a technician at offshore flotilla 8, Maritime Patrol Directorate General, Coast Guard Administration)



●龍德造五十噸級巡防艇編隊英姿

A first general 50-ton patrol boat



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●龍德公司五十噸級原型艇設計圖 the blueprint of a first general 50-ton patrol boat