

Hamilton Jet Model 391  
Application Review

## 391 Loiter Jet for Thailand Harbour Dept. Patrol Craft



**To provide a dual speed capability, the Thailand Harbour Department have fitted a single Hamilton Jet Model 391 loiter jet to each of four new 24.4 metre long coastal patrol craft.**

Installed between conventional twin propellers, the jets are directly driven by Detroit 6V92TA DDEC diesel engines and provide these craft with operational flexibility whether loitering at slow speeds or engaged in high speed pursuit. At slow speeds, the lower powered waterjet system allows the main engines to be shut down, increasing machinery life and reducing maintenance requirements.

The inherent manoeuvrability of the waterjet system provides total craft

control and with only a single propulsor operating, the lack of vibration improves on-board comfort levels.

At high speed, the jet provides a boost function increasing top speed and, as the extra thrust provided by the jet reduces the torque required to drive the main propellers, main engine wear is reduced. The waterjet's power absorption is independent of boat speed so it can be employed through the transition from slow to high speed without risk of overloading the engine.

### ▶ Brief Specifications

**NAME:**

See Chang 801; Samed 802;  
Samui 803 & PP 804

**SERVICE:**

Patrol Craft

**LENGTH:**

24.4 metres (80'-0") [LOA]

**BEAM:**

5.8 metres (19'-0")

**CONSTRUCTION:**

Aluminium

**SPEED:**

30 knots (main engines)

8 knots (loiter jet)

**LOITER WATERJET:**

Single Hamilton Jet Model 391

**LOITER ENGINE:**

Single Detroit diesel,  
Model 6V92TA DDEC,  
232skW (310hp) @ 1800rpm

**BUILDER:**

Marsun Co. Ltd.  
Thailand

**Hamilton Jet DISTRIBUTOR:**

Thai Kolon Co. Ltd.  
Bangkok, Thailand

