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**Service**: Fast Patrol Craft
**Location**: Republic of Surinam

Hamilton Jet Model HM571
Application Review

# Jet Power for Surinam Navy's "Rodman-101" Fast Patrol Craft


**The Republic of Surinam Navy has added a total of eight Hamilton Jet powered Fast Patrol Craft to its fleet to boost surveillance and interception capabilities in territorial and Exclusive Economic Zone waters. Built by Rodman Polyships of Spain, the new craft include five "Rodman-55" craft with twin Hamilton HJ362 jets, and three of a larger version, the "Rodman-101", each of which is powered by twin Hamilton HM571 jets.**

The "Rodman-101" craft are 30 metres overall length with a beam of six metres. Twin MTU 12V diesel engines drive the Hamilton HM571 jets through ZF gearboxes. Maximum speed provided by this combination is 35 knots, with cruise speed of 25 knots.

Thrust vectoring control is affected by a two station Hamilton Jet HYRC system. This features power assisted "follow-up" ahead/astern control with manual hydraulic steering, and provides 360° thrusting ability, regardless of boat speed or direction, without complex electronic manoeuvring controls.

High resistance to cavitation inherent in the Hamilton Jet design allows full power to be safely applied to the HM571 jets at low boat speeds for good acceleration. The absence of underwater appendages ensures shallow draft capability, maximising the craft's operational profile.

## Brief Specifications

**SERVICE:**
Fast Patrol Craft
**TYPE:**
Rodman-101
**LENGTH:**
30.00 metres [LOA]
**BEAM:**
6.00 metres
**DRAUGHT:**
1.10 metres [static]
**CONSTRUCTION:**
GRP
**DISPLACEMENT:**
46.0 tonnes
**SPEED:**
35 knots (maximum)
25 knots (cruise)
**WATERJETS:**
Twin Hamilton Jet
Model HM571

**WATERJET CONTROLS:**
HamiltonJet Type HYRC
**ENGINES:**
Twin MTU diesels
Model 12V 2000 M90, each
1022bkW (1370bhp) @ 2300rpm
**GEARBOXES:**
Twin ZF Model BW190
**DESIGNER/BUILDER:**
Rodman Polyships SA,
Vigo, Spain
**OPERATOR:**
Republic of Surinam Navy
**Hamilton Jet DISTRIBUTOR:**
**Spain –**
Clamp Espana SL,
Madrid, Spain
**Caribbean –**
Engine Tech Company Ltd,
Arima, Trinidad

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