



HYBRID / BIO-FUEL PATROL

VESSEL DETAILS

Owner	Annapolis Harbourmaster - USA
Year Built	2013
Length (LOA)	7.0m - 22.96ft
Beam	2.50m - 8.20ft
Construction	Aluminium
Ship Designer	MetalCraft Marine, CA
Shipyard	MetalCraft Marine, CA
Engines	Diesel 220kW @ 4300rpm
Class	USCG

HAMILTONJET SUPPLY

Propulsion	Single HJ213 waterjet
Control System	Mechanical propulsion control system

PARALLEL HYBRID SYSTEM

This Hybrid vessel for the Annapolis Harbourmaster is used for patrol in the region.

The hybrid Steyr engines in these repowered harbour patrol boats use diesel (& bio-diesel) for high speed operations and electric power for low speed, the range on electric power is up to 2hrs at 4.5 knots.

Battery charging is boosted by solar panels. Use of hybrid engines has reduced fuel consumption by up to 50%.

Waterjets provide the flexibility to run under both forms of power with maximum manoeuvrability retained at all times. The boats maximum speed is 29 knots.