KCG 300T Patrol Boat

SERVICE: Coastguard Patrol Boat
LOCATION: South Korea
LENGTH: 51.80 metres [LWL]
BEAM: 8.10 metres
DISPLACEMENT: 430 tonnes
CONSTRUCTION: Steel
SPEED: 35 knots
WATERJETS: Twin HamiltonJet Model HT1000 & twin HamiltonJet Model HM811
ENGINES: QUAD MTU 16V 4000 diesels - 2720kW (3650hp) @ 2100rpm
DESIGNER: Hanjin Heavy Industries, Korea
BUILDERS: Daewoo, Korea & Hanjin Heavy Industries, Korea
OWNER/OPERATOR: Korean Coast Guard, Korea
HJ DISTRIBUTOR: Dong Kang M-Tech, Seoul, Korea

MANOEUVRABILITY
FLEXIBILITY
EFFICIENCY

The first project for HamiltonJet’s HT1000 waterjet utilises twin HT1000 fully controllable wing jets, with a pair of HM811 boost jets. The vessel can operate at over 20 knots on the wing jets alone.

(more info over page)
The HT1000 waterjet utilises a compact mixed flow pump design to maximise propulsion efficiency and cavitation resistance. Main design features include:

• Advanced CFD software used in hydrodynamic design
• Aluminium construction to reduce overall weight
• Stainless steel internal components such as impeller, wear-ring and mainshaft
• Narrow split duct reverse deflector design
• Intake and thrust bearing assembly included
• Fully integrated in-board hydraulics
• Fully electronic control interface
• New anode replacement systems to improve ease of maintenance

**Above:** Final assembly of the first HT1000 waterjets at HamiltonJet’s New Zealand factory

**Right:** Hull configuration of the Korean Coastguard 300T class vessel showing twin HT1000 wing jets and twin HM811 central boost jets