



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

