

Hamilton Jet Model 274
 Application Review

Twin HJ274 Jets for Combat Support Boats from RTK Marine



Following extensive prototype evaluation, the British Army has ordered the first production run of the new generation Hamilton Jet powered Combat Support Boats developed by UK builder RTK Marine of Poole. Each of the NATO specified 8.80 metre craft will have twin Hamilton Model 274 jets driven by Yanmar Diesel engines to provide the propulsion flexibility required for the multi-mission capability of these specialised craft.

The craft is capable of speeds in excess of 30 knots in lightship conditions, with only marginal reduction in speed exhibited when laden with a 2 tonne payload or 12 fully equipped troops.

The twin jet system, coupled with the HSRX Astern Control System, ensures outstanding manoeuvring characteristics are exhibited at all boat speeds.

Each propulsion system incorporates a gearbox to

allow back-flushing of the jets.

Bollard pull measured during trials exceeded the requirements for effective vessel recovery, bridge-building operations and other assignments.

For rapid response capability, these versatile craft can be transported by road trailer, C130 aircraft or on slings under a helicopter.

▶ Brief Specifications

TYPE: RTK 508	SPEED: 30 knots (lightship)
SERVICE: Combat Support	WATERJETS: Twin Hamilton Jet Model 274
HULL FORM: Asymmetric Catamaran	WATERJET CONTROLS: Hamilton Jet Type HSRX
LENGTH: 8.80 metres [LOA]	ENGINES: Twin Yanmar 6LP-DTE diesels 157kW (210hp) @ 3600rpm
BEAM: 2.77 metres	GEARBOXES: Twin ZF Model HSW 630
DRAUGHT: 0.65 metres (static laden)	DESIGNER/BUILDER: RTK Marine, Poole, Dorset, UK
CONSTRUCTION: Fire Retardant GRP	OPERATOR: British Army
WEIGHT: 4.75 tonnes [lightship] 6.55 tonnes [laden]	Hamilton Jet DISTRIBUTOR: Hamilton Jet (UK) Ltd, East Grinstead, UK
PAYLOAD: 2 tonnes or 12 troops	

