

Hamilton Jet Model 391
Application Review

Twin 391 Jets for New Swedish Fire/Rescue Catamaran



The Södertörns Fire Fighting Brigade of Sweden has recently taken delivery of a new Hamilton Jet powered Jetcat 19 catamaran for fire and rescue duties. Built from aluminium by Swedish builder Capo Marin AB, the vessel incorporates twin Hamilton Jet Model HJ391 jets powered by Scania diesels.

The jet and engine combination provides thrust to push the vessel to 28 knots in light condition. With the addition of a 7 tonne payload, 23 knots is achievable.

To suit the vessel's multipurpose roles, it is fully equipped for fire fighting and rescue work. The open foredeck is sufficiently large to transport a Hägglund tracked vehicle, while the

shallow draft capability allows the craft to be beached to load and unload the Hägglund via the bow ramp.

The Hamilton Jet HYRC control system provides fine control of the vessel at all speeds, including "zero-speed", permitting the fire monitor to be directed from the safety of the wheelhouse if necessary.

▶ Brief Specifications

TYPE: Jetcat 19	WATERJETS: Twin Hamilton Jet Model 391
SERVICE: Fast Fire/Rescue Boat	WATERJET CONTROLS: Hamilton Jet Type HYRC
LENGTH: 19.0 metres [LOA]	ENGINES: Twin Scania Model DI 12 diesels, each 497kW (675hp) @ 2300rpm
BEAM: 6.2 metres	GEARBOXES: Twin Disc Model MG 5114
DRAUGHT: 1.0 metre (operational)	DESIGNER: Stig Hellstrand, Sweden
CONSTRUCTION: Aluminium	BUILDER: Capo Marin AB, Sweden
WEIGHT: 34 tonnes (maximum) 24 tonnes (lightship)	OPERATOR: Södertörns Fire Brigade, Sweden
SPEED: 28 knots (lightship) 24 knots (with 7 tonne payload)	Hamilton Jet DISTRIBUTOR: TransAuto AB, Södertälje, Sweden