

Location: Egypt

Service: Firefighting Boat

Waterjet Model: HJ362



**NAME:**

Hassan Taha

**SERVICE:**

Firefighting Boat

**LENGTH:**

14.90 metres

**BEAM:**

6.00 metres

**DRAUGHT:**

0.70 metres

**CONSTRUCTION:**

Aluminium

**SPEED:**

29.5 knots (maximum)

**WATERJETS:**

Twin HamiltonJet Model HJ362

**ENGINES:**

Twin Scania Diesel engines  
Model DI12 42M sels, each  
423kW (575hp) @ 2100rpm

**GEARBOXES:**

Twin ZF 312 TS - 2 speed

**OWNER/OPERATOR:**

Egyptian Army

**DESIGNER:**

Teknicraft Design, Auckland,  
New Zealand

**BUILDER:**

Helwan Machinery & Equipment  
Co., Egypt

**HamiltonJet DISTRIBUTOR:**

Mapso Marine Propulsion &  
Supply, Cairo, Egypt

## Twin-WaterJet Firefighting Boat for Egypt's River Nile

Over 300 floating hotels cruise the 300kms of Nile River between the ancient Egyptian cities of Luxor and Aswan. Several fires on these vessels in recent years prompted the Egyptian government to action to protect the country's tourism industry – the result being the unique prototype high-performance waterjet powered fireboat Hassan Taha.

The Teknicraft designed aluminium catamaran was built by Egyptian company Helwan Machinery & Equipment, to a Complete Knocked Down Kit supplied by Mapso Marine Propulsion & Supply.

The propulsion setup on Hassan Taha is unique, with two-speed gearboxes used to allow the engines to power both the HJ362 waterjets and the high-powered FFS fire pumps. High gear is used during normal operation to give full 423kW of engine power to the jets. During firefighting low gear is engaged, diverting 270kW to the firefighting pumps while leaving enough power for the jets to maintain vessel control through steering and reverse duct positioning. This setup makes for a lighter and faster vessel.



Hassan Taha's design includes a bow ramp for the deployment of a small 4x4 vehicle, and to assist with the recovery of casualties in the water.

  
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