



# HamiltonJet

# JET BRIEF



SHALLOW  
DRAUGHT

JOYSTICK  
CONTROL

MANOEUVRABILITY

## “Yunagi” Osaka Fireboat

SERVICE:	Fireboat	ENGINES:	Twin Caterpillar C18 ACERT diesels - 651kW (870hp) @ 2200rpm
LOCATION:	Osaka, Japan	GEARBOXES:	ZF 550TS - two speed
LENGTH:	19.95 metres [LOA]	DESIGNER:	Shipbuilding Research Centre of Japan
BEAM:	5.00 metres	BUILDER:	Setouchi Craft Co, Onomichi City, Japan
DRAFT:	2.0 metres	OPERATOR:	Osaka Municipal Fire Department, Japan
CONSTRUCTION:	Aluminium	HJ DISTRIBUTOR:	Tominaga & Co Ltd, Osaka, Japan
DISPLACEMENT:	42 tonnes		
PAYLOAD:	11 Firefighters + 3 crew		
SPEED:	22 knots		
WATERJETS:	Twin HamiltonJet Model HM521		

An adjustable mast tower and twin ballast tanks allow firefighters to lower the height of Yunagi in order to safely pass under low bridges along Osaka City's river system. The MECS manoeuvring joystick gives excellent control in confined waterways during rescue and firefighting operations, while twospeed gearboxes allow the fire pumps to be driven from the front of the engines while retaining sufficient power to the waterjets for manoeuvring thrust.

**FIREBOAT**

**HM521**

**No. 444**