

FIFI USV



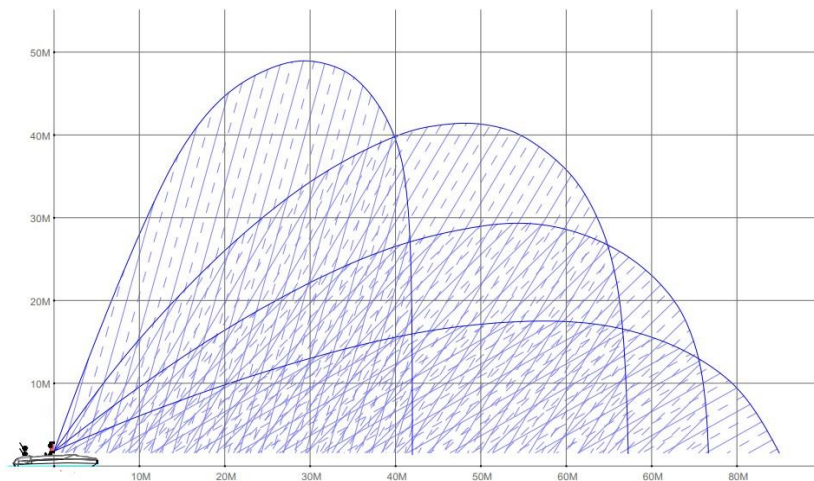
UNMANNED FIRE FIGHTING VESSEL

The UFV is a 24/7 autonomous unmanned fire fighting vessel conceived with fast response in mind. With independent berth departure and collision avoidance route navigation, the UFV transits faster and safer to the fire location.

The dynamic positioning and monitor aimpoint corrections enhances fire fighting effectiveness with minimal operator interventions

Marina
Coastal waterway
Ports
Oil facilities
Land wildfires
Fleet fire fighting

Length	11.8 m
Draft	0.80 m
Engines	1 x Cummins QSB6.7 550 hp propulsion and 1x fire pump
Thruster	1 x Vetus 330 kgf electric bow thruster BOWB330
Stabilisation	Gyro Quick MC2 X7
Fuel Capacity	600 litres
Fire Pump	1x Darley 3000 gpm
Sensor	1 x Simrad radar HALO24 1 x Lidar AT128
	1 x Electro optic Day IR
	1 x ClearCam 360
	1 x GNSS Vectornav
HVAC	Centek Delta-T demisters with fire damper A60
Class	BV USV FiFi



EXTERIOR VIEW

Dimensions: 680 (width), 3735 (length), 2735 (length), 1000 (height).

Labels: RADAR MAST EXTENDED, RADAR MAST RETRACTED, FIXED MAST BASE FOR NAVIGATION LIGHTS, FIRE MONITOR, FIRE RESCUE, MAGNETIC DOCKING PLATE, WTB, BL.

PRINCIPAL DATA

LOA	11.24 m
LWL	10.7 m
MAX BEAM	2.3 m
MAX DISPLACEMENT	8.05 tonnes
MAX DRAFT	0.68 m
MAX SPEED	35 knots
RANGE	225 NM

PROPULSION DATA

ENGINES	Cummins QSB 6.7, 404 kW (550 HP), 3000 RPM
WATER JET	Deen DJ142
GEARBOX	ZF286-1, Ratio: 1.514:1
BOW THRUSTER	Quick BTH400, 380kgf
FIRE PUMP	Darley ZSD 3000 GPM, 150 Psi, Companion Flange
FIRE MONITOR	2x Elkart Scorpion EXM 2000, 4" Inlet, 3.5" Outlet
GENSET	Fischer Panda 5k PMS

PROFILE VIEW

Labels: FIRE MONITOR, MAGNETIC DOCKING PLATE, BOW THRUSTER, MACHINERY ROOM HATCH, FIRE MONITOR, MACHINERY ROOM HATCH, REMOVABLE DECK MOUNTED FOAM TANKS, LIFE RAFT, CLEATS, WATERJET, AFT VIEW, FRONT VIEW.

PLAN VIEW

Labels: REMOVABLE DECK MOUNTED FOAM TANKS, LIFE RAFT, CLEATS, WATERJET, AFT VIEW, FRONT VIEW, MAGNETIC DOCKING PLATE, BOW THRUSTER, MACHINERY ROOM HATCH, FIRE MONITOR, MACHINERY ROOM HATCH, REMOVABLE DECK MOUNTED FOAM TANKS, LIFE RAFT, CLEATS, WATERJET, AFT VIEW, FRONT VIEW.

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Engines	Cummins QSB 6.7, 404 kW (550 HP), 3000 RPM
Water Jet	Doen DJ142
Gearbox	ZF286-1, Ratio: 1.514:1
Bow Thruster	Quick BTH400, 380kgf
Fire Pump	Daxley ZSD 3000 GPM, 150 Psi, Companion Flange
Fire Monitor	2x Elkart Scepter EXM 2000, 4" Inlet, 3.5" Outlet
GenSet	Fischer Panda 5k PMS

