



M.V. Fugro Searcher



New generation geophysical & hydrographic survey vessel designed for performance, safety and efficiency

21st Century Survey Vessel

M.V. Fugro Searcher is a new build geophysical survey vessel that has been in service since March 2010 under the operatorship of Fugro Survey Limited of Aberdeen, UK. The vessel has permanently mobilised geophysical and hydrographic survey spreads, ready for rapid deployment to survey locations worldwide.

Specially Designed

M.V. Fugro Searcher has been built to the highest standards demanded of a dedicated North Sea / International survey vessel. The diesel electric drive, specially designed hull, resilient engine mounts and rudder propellers maximise station keeping and navigational control while ensuring acoustically quiet running at survey speeds.

The suite of survey equipment includes hull mounted EA600 single beam echo sounder, EM302 and EM3002 multibeam echo sounders and SBP300 sub bottom profiler. Edgetech dual frequency 4200 FS digital sidescan sonar. A Hydrosience Seemux digital system, with a seismic source of 140 cu inch firing into a 1200m HTI solid digital streamer, and a HiPAP 500 USBL system are permanently mobilised.

The vessel is fully networked to provide full plug-and play interconnectivity and has Fugro's dual frequency GNSS high precision Navigation systems.

The design of the vessel permits simultaneous analogue/digital survey operations. Geotechnical and ROV Inspection duties can also be undertaken. At 65 metres LOA and accommodation for 42 en suite single and double cabins the M.V. Fugro Searcher is a comfortable and spacious vessel on which to work.



Modern and spacious working environment



M.V. Fugro Searcher



Shaded Relief Bathymetry showing Sandwave detail



M.V. Fugro Searcher

Technical Specifications

General

Name	M.V. Fugro Searcher
Classification	GL+100 A5 "Survey vessel" IW + MC AUT
Owner	Fugro
Built	Q1 2010
Port / Flag	Panama
MMSI No.	371931000
Call Sign	3EUY6
IMO No.	9504011

Dimensions

LOA	65.2m
Beam	14.0m
Draught	5.3m
Tonnage	1940 t gross
Operating Range	6000 nm

Accommodation

Cabins	Up to 42 persons
Recreation	2 x Lounge / video / gym

Machinery

Propulsion	2 x 1100 kW Rudder Propeller
Bow Thruster	1 x 400kW
Cruising Speed	10 knots
Maximum Speed	12 knots

Electrical Power

Auxiliary Generators	2 x 910 kVA
Emergency Generators	2 x 166 kVA
Clean Power	UPS 40 kVA

Capacities

Fuel Capacity	375m ³
Fuel Consumption	4m ³ per day
Water Capacity	165m ³ fresh water
Water Making	2 x 4m ³ per day

Control and Navigation

Autopilot	Simrad AP50
DP System	Kongsberg cJoy
2 x Radars	Sperry S-Band & Sperry X-Band
2 x Electronic Chart	Imtech HDW ECDIS2000
2 x DGPS	Koden KGP-920
2 x Gyro	Sperry Navigat X MK1, TSS

Meridian Surveyor

Speedlog	Sperry Naviknot
Echo Sounder	L3 comms LAZ5100
AIS	ACR Electronics Nauticast

Deck Machinery

Deck Crane	1 x 3.0 t 12m crane
Hydraulic A Frame	1 x 7.5 t extending
Launch Boom	2 x 2.5 t traversing

Communications

MF / HF	Thrane&Thrane Sailor 5000
V-SAT	KU Band
Inmarsat C (2x)	Thrane&Thrane TT3000 (2x)
VHF (2x)	Thrane&Thrane RT5020 (2x)

Emergency Radios / Beacons

Sea Marshall	1 x EPIRB, SARfinder 1003 MKII
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Safety

Rescue / MOB Boat	Noreq FRB610
	6.1m, 6 pers rescue boat
	90hp Mercury outboard engine
Life Rafts (200%)	4 x 25 pers
Survival Suits (100%)	42 pcs
Life jackets (200%)	100 pcs
Work Vest	12x

Survey Equipment

DGPS Positioning	Fugro Starpack GNSS Receiver
Acoustic Positioning	Kongsberg HiPAP 500 + MRU5
Motion Reference Unit	Applanix Pos MV320
Echo Sounder	Kongsberg EA600
Multibeam Echo Sounder	Kongsberg EM302 and EM3002
Sound Velocity Probe	2 x Valeport Midas SVX
Side Scan Sonar	Edgetech 4200 FS
Sub Bottom Profiler	Hull mounted SBP300, 10 cu inch mini gun
Magnetometer	Geometrics G-882 Magnetometer
Hydrophone Streamer	SES Mini Streamer
Digital Logging	GLOG / GPLOT
Seabed Sampling	3 / 6m Gravity Corer, Grab Sampler
Digital Seismic Recording	Hydroscience Technologies NTRS 240 ch.
Streamer	HTI Seamux gel filled 6.25m / 12.5m
Firing Control	Real Time Systems Longshot
Far Field	AGG
Depth Controllers	Digicourse 5010 & 5011
Gun Source Arrays	6 x IO sleeve guns, 140 cu inch array
Network	Several 10G Bass T
Compressor	4 x Hamworthy compressors, Max pressure 207 bar 1180 m ³ /hr
Geotechnical Capability	Seahorse / Seascout CPT's
Environmental Capability	Day / Van Veen Grabs, Stills & Video Camera. Box Corers - several options can be mobilised
ROV Capability	Several options can be mobilised

Information may be subject to change without prior notice

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